

Cox Creek 2006 Budget

Cox Creek Site Development

MARYLAND PORT ADMINISTRATION AND MES

MES CLIENT CONTRACT #504907, PIN No. 53050040, MES Contract No. 03-07-32

Total Contract Amount FY 06 \$ 2,066,000.00 Remaining \$ 910,793.19

Prior Fiscal Years FY 05 \$ 3,718,564 \$ 3,356,446

Budget/Expended FY 04 & 03 \$ 1,500,000 \$ 1,037,151

	Budget	Total Budget To Date	Monthly Expenditures	Total Year to Date	Actual Expended	Time Expended
Jul-05	\$ 172,167	\$ 172,167	\$ 153,607.53	\$ 153,607.53	7%	8%
August-05	\$ 172,167	\$ 344,333	\$ 310,363.25	\$ 463,970.78	22%	17%
September-05	\$ 172,167	\$ 516,500	\$ 1,129.76	\$ 465,100.54	23%	25%
October-05	\$ 172,167	\$ 688,667	\$ 180,212.37	\$ 645,312.91	31%	33%
November-05	\$ 172,167	\$ 860,833	\$ 154,318.82	\$ 799,631.73	39%	42%
December-05	\$ 172,167	\$ 1,033,000	\$ 61,923.30	\$ 861,555.03	42%	50%
January-06	\$ 172,167	\$ 1,205,167	\$ 82,553.79	\$ 944,108.82	46%	58%
February-06	\$ 172,167	\$ 1,377,333	\$ 211,097.99	\$ 1,155,206.81	56%	67%
March-06	\$ 172,167	\$ 1,549,500	\$ 156,831.43	\$ 1,312,038.24	64%	75%
April-06	\$ 172,167	\$ 1,721,667				
May-06	\$ 172,167	\$ 1,893,833				
June-06	\$ 172,167	\$ 2,066,000				

Note - September's invoice amount of \$1,129.76 is offset by a SWO credit adjustment for charges made to 1202 - Dike Raising in the amount of \$133,138.34. The credit is a result of moving these charges related to dike raising efforts up to 24' to the correct cost center, Cox Creek Construction 792-7884.

Poplar Site Development 2006 Budget

Poplar Site Development

MARYLAND PORT ADMINISTRATION AND MES  
MES CLIENT CONTRACT #502813, PIN No. 51030040, MES Contract No. 02-07-20

Total Contract Amount                      \$    4,930,000.00 Remaining                      \$    2,067,735.49

Prior Fiscal Years	FY 02	\$	4,471,535.00
Expenditures	FY 03	\$	6,528,383.00
	FY 04	\$	3,980,057.00
	FY 05	\$	4,755,291.00

	Budget	Total Budget To Date	Invoice Amount	Total Year to Date	Actual % Expended	Time Expended
Jul-05	\$ 410,833.33	\$ 410,833.33	\$ 360,115.63	\$ 360,115.63	7.6%	8%
August-05	\$ 410,833.33	\$ 821,666.67	\$ 341,680.73	\$ 701,796.36	14.9%	17%
September-05	\$ 410,833.33	\$ 1,232,500.00	\$ 327,843.40	\$ 1,029,639.76	21.8%	25%
October-05	\$ 410,833.33	\$ 1,643,333.33	\$ 282,992.08	\$ 1,312,631.84	26.6%	33%
November-05	\$ 410,833.33	\$ 2,054,166.67	\$ 542,898.30	\$ 1,855,530.14	37.6%	42%
December-05	\$ 410,833.33	\$ 2,465,000.00	\$ 341,021.08	\$ 2,196,551.22	44.6%	50%
January-06	\$ 410,833.33	\$ 2,875,833.33	\$ 323,884.27	\$ 2,520,435.49	51.1%	58%
February-06	\$ 410,833.33	\$ 3,286,666.67	\$ 341,829.02	\$ 2,862,264.51	58.1%	67%
March-06	\$ 410,833.33	\$ 3,697,500.00	\$ 323,280.89	\$ 3,185,545.40	64.6%	75%
April-06	\$ 410,833.33	\$ 4,108,333.33				
May-06	\$ 410,833.33	\$ 4,519,166.67				
June-06	\$ 410,833.33	\$ 4,930,000.00				

HMI 2006 Budget

HMI O&M

MARYLAND PORT ADMINISTRATION AND MES

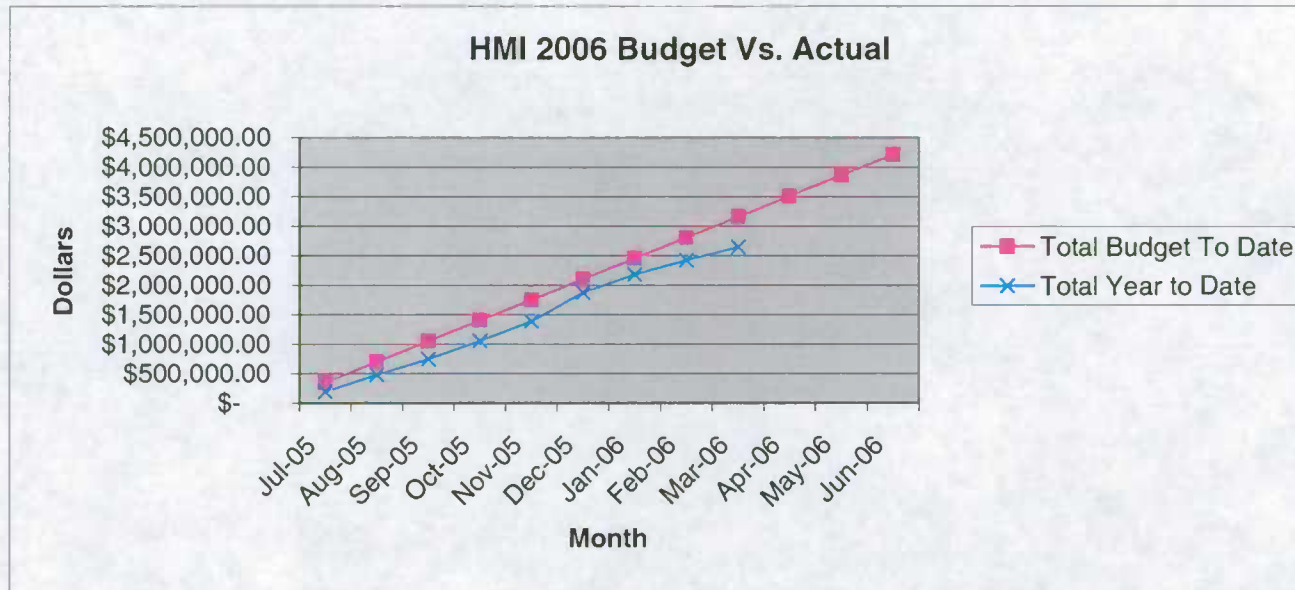
MES CLIENT CONTRACT #500828, PIN No. 54020020, MES Contract No. 84-03-19

Total Contract Amount \$ 4,206,000.00 Remaining \$ 1,778,799.96

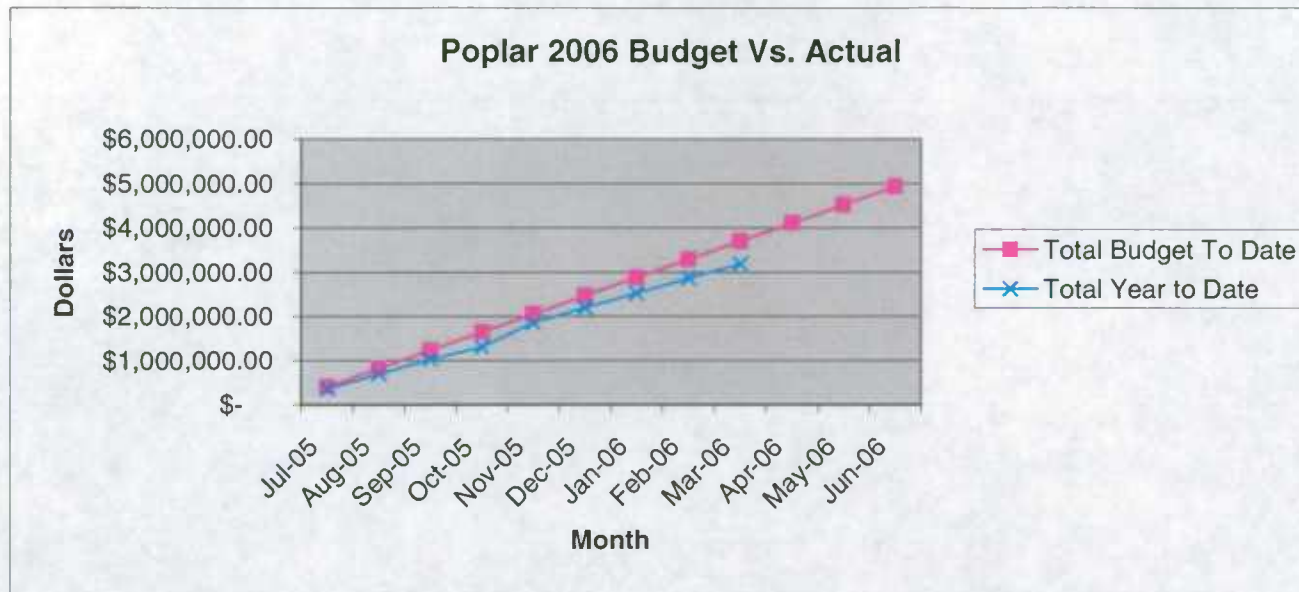
Prior Fiscal Years	FY 05	\$ 2,652,911.00
	FY 04	\$ 2,197,738.00
	FY 03	\$ 2,762,569.00
	FY 02	\$ 4,669,333.00

	Budget	Total Budget To Date	Invoice Amount	Total Year to Date	Actual % Expended	Time Expended
Jul-05	\$ 350,500.00	\$ 350,500.00	\$ 197,506.31	\$ 197,506.31	5.31%	8%
August-05	\$ 350,500.00	\$ 701,000.00	\$ 291,250.43	\$ 488,756.74	13.15%	17%
September-05	\$ 350,500.00	\$ 1,051,500.00	\$ 260,863.80	\$ 749,620.54	20.17%	25%
October-05	\$ 350,500.00	\$ 1,402,000.00	\$ 309,875.59	\$ 1,059,496.13	25.19%	33%
November-05	\$ 350,500.00	\$ 1,752,500.00	\$ 334,789.67	\$ 1,394,285.80	33.15%	42%
December-05	\$ 350,500.00	\$ 2,103,000.00	\$ 485,602.42	\$ 1,879,888.22	44.70%	50%
January-06	\$ 350,500.00	\$ 2,453,500.00	\$ 302,009.48	\$ 2,181,897.70	51.88%	58%
February-06	\$ 350,500.00	\$ 2,804,000.00	\$ 245,302.34	\$ 2,427,200.04	57.71%	67%
March-06	\$ 350,500.00	\$ 3,154,500.00	\$ 220,867.38	\$ 2,648,067.42	62.96%	75%
April-06	\$ 350,500.00	\$ 3,505,000.00				
May-06	\$ 350,500.00	\$ 3,855,500.00				
June-06	\$ 350,500.00	\$ 4,206,000.00				

## HMI 2006 Budget



Poplar Site Development 2006 Budget



**Cox Creek DMCF**  
***Task Update***  
**March 2006**

*\*\*\*All tasks included in this update (except where noted) are funded from the approved FY 06 and FY07 Cox Creek Operations and Monitoring Budget. Costs associated with specific Cox Creek monitoring tasks are not tracked separately, unless requested.\*\*\**

**Environmental Monitoring Tasks for Reporting Period:**

**Update:** Monitoring activities at Cox Creek during the reporting period were based on the Cox Creek Discharge Permit.

With high copper and zinc concentrations occurring throughout the month, MES has been collecting additional daily grab samples and coordinating a 24-hour laboratory turn around time for results to assist in making operational decisions.

- Collection of 8-hour composite sample during discharge.
- Maintained and calibrated lab and field equipment daily.
- Performed hourly inspection duties at the spillway when discharging.
- Monitored the pH of the pond in the North Cell daily.
- Transported daily and weekly samples to laboratory and compared the results with the discharge permit to maintain discharge.
- Determined when and added lime to the North Cell pond based on pH levels and metal concentrations.
- Compiled data into monthly and quarterly reports for discharge water quality and wetland monitoring.
- Continued implementing the monitoring plan for the Swan Creek mitigation area.
- Maintained analytical databases.
- Ordered supplies for environmental monitoring.
- Continued the use of an Aquafix lime doser system for water treatment and continued a pH/lime correlation study.
- Collected a drinking water sample for the site on 03/28/06.
- The Environmental Compliance Review of the facility was conducted on 3/9/06..

**Future:** MES will continue the water quality monitoring and prepare the required reports. The efficiency of the lime doser system will continue to be evaluated. The Swan Creek Mitigation Area plan will continue to be implemented and monthly reports on the mitigation site will be submitted under separate cover. Plans for relocating the outlet for the Swan Creek watershed are being reviewed by M&N.

**Meetings, Tours & Events:**

- 3/01/06 @ 09:00 a.m. – Cox Creek Innovative Reuse Team Meeting – Location: On-site.
- 3/01/06 @ 10:00 a. m. – MPA security toured the site.

\*\*\*\*\*INTERNAL USE ONLY\*\*\*\*\*

- 3/07/06 @ 08:30 a.m. - Cox Creek Operations Meeting – Location: On-site.
- 3/07/06 @ 9:30 a. m. – Unloading pier construction progress meeting w/ Corman-Imbach Marine Inc. – Location: On-site.
- 3/09/06 @ 10:00 a.m. – Environmental Compliance Review – Location: On-site.
- 3/15/06 @ 9:00 a.m. – Kick-off Meeting with Consolidated Contracting – Location: On-site.
- 3/16/06 @ 09:00 a.m. - Cox Creek Innovative Reuse Team Meeting – Location: On-site.
- 03/17/06 @ 12:00- Safety Inspection – Location: On-site.
- 3/21/06 @ 08:30 a.m. - Cox Creek Operations Meeting – Location: On-site.
- 3/21/06 @ 9:30 a. m. – Unloading pier construction progress meeting w/ Corman-Imbach Marine Inc. – Location: On-site.
- 3/25/06 @ 07:00- North County Land Trust Nature Walk in the Swan Creek wetland –Location: On-site.

**Cox Creek Discharge Permit:**

**Update:** A groundwater monitoring sampling plan was sent to MPA for review after which MPA forwarded the plan to MDE. As per MDE's request, an amendment was added to the groundwater plan and comments addressed.

**Future Tasks:**

A nutrient reduction plan is required 12 months after the first inflow. MES is coordinating with MPA in the development of the plan in coordination with the development of the HMI plan.

**Project Status Report Form***Prepared by MES for*  
**Harbor Development****Project Name:**Poplar Island Environmental Restoration Project  
(This project is included under MES Open Ended Consulting EPATs)**MPA Project Manager:**

Dave Bibb

**MES Project Manager:**

Melissa Slatnick

**Assignee(s) (Consultants/Contractors):**

Maryland Environmental Service

**Contract Period:**

01/01/04 – 01/31/05

01/01/04 – 04/10/06 (Revised February 2005)

**Budget Line #****PIN #:**

1085

54000010

**Contract #:**

500912

**Task #, Name:**#46, PIERP Adaptive  
Mgmt. Plan (AMP)**Project Budget (Total):**

\$292,019 (Total Budget)

\$214,367 (FY 2005)

\$85,864 (FY 2006)

**Revisions:**

None

**Revision #:**

N/A

**% Complete (Total):**

100%

**% Expended (Total):**

87%

**% Complete (Crnt. FY):** **% Var./Balance  
(Crnt. FY):**100% (Based on revised  
SOW with most work re-  
assigned to website task)

2%

**% Expended (Crnt. FY):**

54%

**Project Goal(s):**

- Continuation of services on the Poplar Island Adaptive Management Plan (AMP) and Project Management Plan (PMP).
- Development of the updated Poplar Island Habitat Development Framework (HDF).

**Project Objectives:**

- Provide technical support and contractor oversight for the continued development of the AMP and PMP.
- Provide revised drafts of the HDF.
- Provide support at the AMP team meetings and HDF development meetings (Habitat Sub-group Meetings).
- NEW: Implement a web-based system for adaptive management task database.



**Project Status Report Form***Prepared by MES for***Harbor Development****Project Status – Issues/Solutions (both required):**

- **Issues**
- None.
  
- **Solutions**
- None required.

**NOTE: With the exception of the website development and maintenance subtask, all work sub-contracted under EPATS Task 46 has been completed.**

**Work related to the 2006 Poplar Island Project Management Plan and Adaptive Management Plan is performed under ERP Task 36.**

- **MES Activities:**
  - Drafted February progress report; reviewed and approved subcontractor and client invoices.
  - Finalized draft version of the 2006 Version of the Habitat Development Framework.
  
- **EA Engineering, Inc. Activities:**
  - None. Sub-contracted work on this task is totally complete with the exception of any additional MES/MPA/Corps minor website modifications through April 10, 2005 when the EA contract expires after which additional website modifications will be covered under the PIERP ERP Task 36 contract.
  
- **Future Activities:**
  - EA will continue to host the website through April 2006. (After April 2006, EA has an option on ERP Task 36 that would allow EA's continued support of the site).
  - EA will continue to provide technical support on website functions, including user assistance, through April 10, 2006.
  - EA will offer MPA and Corps private training on website usage, if requested.

**Total Contract Amount: \$292,019**

**Total March 2006 Invoice: \$5,094.63**

**Total Amount Invoiced as of 03/31/06: \$253,520.27**

**Signature/Date:** David Belis 04/21/06  
**(Project Manager)**

**Project Status Report**  
*Prepared by*  
**Harbor Development**

Project Name: Hart-Miller Island DMCF

Task #, Name: \_\_\_\_\_

**Project Name: Hart-Miller Island DMCF****Project Manager: David Bibo****Assignee(s) (Consultants/Contractors): MES****Contract Period: 07/01/05 – 06/30/06****Budget Line#670****PIN #:500200 40****Contract #: 384002A****Task #, Name:****Project Budget (Total): \$4,206,000****Revisions:****Revision #:****March Invoice: \$220,867.38****+ \$490,000****#1- Jan 26, 2006****Year To Date: \$2,648,067.42****% Complete (Total): 63.0%****% Expended (Total): 63.0%****% Complete (Crnt FY): Var/Balance:****% Expended (Crnt FY): Var/Balance:****75%****25%****63.0%****37.0%**

**Project Goal(s): Operation of the containment facility efficiently, safely, and in compliance with the discharge permit and regulatory requirements. To place the maximum amount of dredged material in the facility prior to the closure date.**

**Project Objectives:**

- Operations of DMCF
- Complete Construction of and dedicate the South Cell Restoration Project
- HMI Well Monitoring Study, ensuring no migration of material is taking place
- Environmental Monitoring, meeting the discharge criteria
- Manage the area with 100-acre maximum pond size during inflow
- Development of a Filling Plan to maximize utilization of the North Cell
- Development of a closure plan for the North Cell

**Project Status - Issues/Solutions (both required):**

- **Temporary Berm Construction:** The temporary berm construction is complete. Current focus has turned to raising the western portion of the cross dike. That work started January 19<sup>th</sup> and is projected to continue through April 2006. Material recovery continues for stockpile purposes. Placement of material in January has progressed as planned but the temporary loss of a dump truck has occasionally slowed progress. We are awaiting the arrival of the replacement dump truck in the Spring of 2006.
- **Spillways and Discharge:** During March, the inspection staff performed TSS studies in conjunction with GBA March 6-24 2006, after which daily discharge resumed, providing oversight of contractor inflow activities-- Mclean Contracting (Baltimore County & City projects), Langenfelder Marine (CSX Curtis Bay) and inspecting and monitoring the discharge from the North cell spillways.

**Project Status Report**  
*Prepared by*  
**Harbor Development**

Project Name: Hart-Miller Island DMCF

Task #, Name: \_\_\_\_\_

- **North Cell:**

- On January 30<sup>th</sup>, 2006, MPA, MES, GBA, NewFields, MN, and UMCES held a pH-brainstorming meeting to discuss specific problems at HMI related to low pH conditions. A meeting summary was distributed on 02/01/06. The immediate action items regarding the pH issues include:
  - MES will perform a test application of quick lime by helicopter application in June 2006;
  - MES, in conjunction with MN and NewFields, will also develop short-term plans that will include the use of a barge to slurry quick lime and circulate water through the barge and back into the North Cell for discharge;
  - The group will coordinate on decisions for increased pond water quality data collection.
- The meeting group does not anticipate a return of acidic conditions at HMI based on ~6-month interval between wetting of the area (April/May 2006 through Sept/Oct 2006). Normal crust management activities are planned to be performed this spring/summer.
- As noted above, TSS testing was completed on March 24, 2006.
- Based on the TSS Study results and report and the Management Plan report, the Project Team is discussing options to be pursued with MDE, including potential modifications to the discharge permit requirements. Follow-up meetings on this topic will be held between MES, MPA and GBA in April 2006 and with MDE in late May 2006.
- The raising of a portion of the cross dike near Al's Pit on the west side is approximately 70% complete.

- **South Cell:**

- Geo Con has completed almost all tasks and they have demobilized. The USACE is preparing a punch list for items that need to be corrected, prior to closing out the contract. Punch list items include: Ground cover did not initially prevent erosion and some washouts have occurred in the area of the footpath. Some repairs will be needed. MES will be making erosion repairs along the foot path as this is not part of the Corps of Engineers contract warranty.
- MES awarded the Spillway 3 reconstruction contract to Strum Engineering. Initial repairs and additional improvements have been completed (see below).
- HMI staff continues to monitor the water level in the cell and pump excess water to the North cell as needed.

**Project Status Report**  
*Prepared by*  
**Harbor Development**

Project Name: Hart-Miller Island DMCF

Task #, Name: \_\_\_\_\_

- **South Cell Spillway** – As indicated, the initial contract work has been completed on repairs to the South Cell Spillway. An operational inspection of the spillway on November 30<sup>th</sup> indicated that additional changes and improvements were required to make the spillway watertight and to provide for a better means of discharge control. Repairs to spillway 003 were completed on 3/31/2006. An operational test is scheduled for early April.
- **Capital Equipment & Other Items**: The FY 2006 HMI budget contains funds for purchase of 2 articulated dump trucks and one Long Reach Excavator. The contract for the trucks was awarded to Alban Tractor Co. on February 23<sup>rd</sup>, 2006 at a price of \$291,517 each. Delivery is scheduled by mid-June 2006. The successful bidder for the LR Excavator was Midlantic Machinery at a price of \$186,604. Delivery is anticipated in July 2006. Currently, there is one piece of rental equipment on site - a bulldozer from Alban. A short reach excavator is also on-site on loan from Poplar Island.
- **2005/2006 Inflow Planning**: MPA, MES and GBA are working closely on detailed plans to manage, control, gather data and analyze 2005 inflow operations to insure that maximum utilization is made of the remaining capacity in the Hart-Miller Island DMCF. The same group is also looking to capture lessons learned for application at other DMCF's and for future operations at HMI.
- **Road Maintenance**: The majority of the road improvements associated with the Cr6 stone deliveries were completed around the perimeter of the South Cell during December 2005. Additional road work continues on an "as-needed" basis.
- **Marine Safety Review**: MES received the report on Marine Safety Review for Poplar Island, HMI and Cox Creek. Revised safety guidelines were issued on March 22, 2006 and tailgate training sessions were held to update all HMI staff on these guidelines and procedures.

Signature/Date: David Biles 04/21/06  
( Project Manager)

Date: as of 3/31/06

**Project Status Report Form**  
*Prepared by*  
**Harbor Development**

Project Name: Cox Creek DMCF

Task #, Name: \_\_\_\_\_

**Project Name: COX CREEK DMCF**

**Project Manager: Bill Lear**

**Assignee(s) (Consultants/Contractors): MES**

**Contract Period: 07/01/05 – 06/30/06**

**Budget Line #765**

**PIN #: 53050040**

**Contract #: 504907**

**Task #, Name:**

**Project Budget (Total): \$2,066,000**

**Revisions:**

**Revision #:**

**March Invoice: \$156,831.43**

**Year To Date: \$1,312,038.24**

**% Complete (Total): 63.5%**

**% Expended (Total): 63.5%**

**% Complete (Crnt FY): Var/Balance:**

**% Expended (Crnt FY): Var/Balance:**

**75%**

**25%**

**63.5%**

**36.5%**

**Project Goal(s): Operation of the containment facility efficiently, safely, and in compliance with the discharge permit and regulatory requirements. To prepare the site for the first placement cycle.**

**Project Objectives:**

- Dike raising of both cells.
- Site preparation for initial inflow, to include; access channel dredging, spillway construction, facility support trailers and equipment, and unloading pier construction.
- Environmental Monitoring, submitting and receiving the discharge permit.
- Dewatering in preparation of future construction, within discharge criteria.
- Monitoring and maintenance of the Swan Creek mitigation site.

**Project Status - Issues/Solutions (both required)**

- **Material Dewatering:** The March 2006 focus has been on continuing to dewater the south cell into the north cell, and recovering and stockpiling material in the south cell for future construction of benches and dikes when the weather improves. Related work has included trenching, mixing of lime with the water, creation of sumps, clearing and grubbing the site and pushing up material, re-circulating the water in the north cell and preparing the north cell for discharge as conditions (metals and pH levels) permit.
- **Maintenance Shop:** A compliance inspection by the MES Chief of Environmental Compliance Office discovered material in the maintenance building that may be contaminated with asbestos. Waste-tron Inc. took several samples of the material to be analyzed. The report indicated that asbestos materials were located throughout the building. Asbestos Specialists Inc. will be hired to remove the asbestos material. Work is tentatively scheduled to start the second week of April 06.

**Project Status Report Form**  
*Prepared by*  
**Harbor Development**

Project Name: Cox Creek DMCF

Task #, Name: \_\_\_\_\_

**Construction Status:**

- **Dike Construction to 36'**: Consolidated Construction started mobilizing equipment to the facility. A total of 15 pieces of heavy equipment (8-dozers, 4-off road trucks, 2 excavators and one vibratory roller) is expected to be on site by the end of the month. Due to wet conditions; minimal work took place on actual dike raising this month. The dike raising from 24' to 36' is currently estimated at approximately 10% complete. MES personnel and equipment continue to dry and stockpile material in the south cell for future construction activities.
- **Pier Construction:** This project is 100% complete with the exception of the floating personnel pier. A contract time extension has been granted for the construction of the floating pier. It is expected to be complete in late April/early May 2006.

**Inflow:**

- The USCG dredge project inflow is anticipated in the summer/fall 2006. The site will also be prepared for tentative Corps of Engineers inflow from Baltimore Harbor channels in January 2007.

**Swan Creek Wetland:**

- Weekly beach clean ups are continuing.
- On 3/25/06 @ 8:00 a. m. - 12:00 p. m. the North County Land Trust nature walk at Swan Creek wetlands was held. Approximately 37 people attended the event.

**Staffing**

- Additional advertising and further interviews are planned in Spring 2006 for the remaining permanent vacancy, an Equipment Operator with a Commercial Driver's License for over-the-road operation of the fuel truck. The vacancy was advertised this month and interviews will be scheduled as soon as possible.

**Marine Safety Review:**

- MES received the report on Marine Safety Review for Poplar Island, HMI and Cox Creek. Revised safety guidelines were issued on March 22, 2006 and tailgate training sessions were held to update all HMI staff on these guidelines and procedures.

**Miscellaneous**

- Mitigation for the pier includes removal of some asphalt on the existing parking lot. Completion of this work has been put on hold until spring. A sub-contractor for Corman-Imbach saw cut the area and all saw cut material has been removed from the mitigation area. The broken asphalt will eventually be placed on the exterior berm at Cox Creek. 75 loads (1,125 CY) of Domino Sugar material were placed up to eight inches from the top of the cut. MES will use topsoil or (if permissible by MDE) material from within the Cox Creek site to complete filling of the area. A native wildflower mix will be planted in the area.

Date: as of 3/31/06

**Project Status Report Form**  
*Prepared by*  
**Harbor Development**

Project Name: Cox Creek DMCF

Task #, Name: \_\_\_\_\_

- The osprey platform, located near the storm water management pond, was removed at the request of the MPA. The pole was relocated at the base of the berm near station 20.
- A lime doser from Aqua-Fix has been rented to help treat the pH of the water in the north cell. This doser has been inserted as part of an improved pH treatment/circulation process in the cell and the effectiveness of the system continues to be evaluated.
- Mr. Williams (MPA Director of Security) toured the facility. He will forward his security recommendations to the Bill Lear.
- During the evening hours on 3/01/06, Anne Arundel County police responded to a complaint from MPA's tenant, Reigle Service, and arrested four youths for riding mopeds on the upland portion of the property.
- On 3/13/06, Weisman Electrical Company repaired the security lights that had been previously vandalized on the maintenance building. Guards/covers were placed over all existing security light fixtures to help prevent further incidents.
- On 3/15/06, Anne Arundel County inspected the installation of the waste oil furnaces in the maintenance building. The inspection lasted approximately one hour, both furnaces passed.
- On 3/28/06, JW Burrese inspected and re-certified the Grove crane.
- On 3/31/06, the field office trailer provided by Corman-Imbach Marine was removed from site.

Signature/Date: \_\_\_\_\_  
(Project Manager)

Date: 04.21.06

**Project Status Report Form**  
*Prepared by*  
**Harbor Development**

Project Name: Poplar Island Site Development

Task #, Name: \_\_\_\_\_

**Project Name: Poplar Island Site Development**

**Project Manager: David Bibo**

**Assignee(s) (Consultants/Contractors): MES**

**Contract Period: 07/01/05-06/30/06**

**Budget Line # 770**

**PIN #: 51030040**

**Contract #: 502813**

**Task #, Name:**

**Project Budget (Total): \$4,930,000**

**Marcj Invoice : \$323,280.89**

**Year To Date: \$3,185,545.40**

**Revisions:**

**Revision #:**

**+ \$210,000**

**#1- February 13, 2006**

**% Complete (Total): 64.6%**

**% Expended: 64.6%**

**% Complete (Crnt FY):**

**Var/Balance:**

**% Expended (Crnt FY):**

**Var/Balance:**

**75%**

**25%**

**64.6%**

**35.4%**

**Project Goal(s):** Operation of the project efficiently, safely, and in compliance with the regulatory requirements. To manage the material placement for maximum capacity while meeting the objectives of the project. Development of viable environmental habitat.

**Project Objectives:**

- Environmental Monitoring, meeting the discharge criteria.
- Prepare and maintain the infrastructure for long term sustained operations.
- Conduct operations in compliance with environmental concerns.
- Recover sand for future operations.
- Develop the wetlands into a viable habitat.
- Conduct tours and site visits to tell the Poplar Island success story.

**Project Status - Issues/Solutions (both required):** The current focus of the facility is prepare all cells for 2006 inflow by Weeks Marine and to monitor erosion and repair dikes and roadways as needed. Inflow is underway.



**Project Status Report Form**  
*Prepared by*  
**Harbor Development**

Project Name: Poplar Island Site Development

Task #, Name: \_\_\_\_\_

**Inflow Operations:**

- Inflow began February 16, 2006.
- There were 788,970 cu. yds. of dredge material deposited from March 1 thru March 31, 2006.
- The total amount of dredge material deposited to date for the 2006 inflow season is 1,004,318 cu. yds.
- MES continues to monitor water quality during inflow and is discharging from spillways as water quality conditions permit.
- All inflow has been completed in the phase I wetland cells. Remaining Weeks inflow will be to cell 2 (upland) and cell 4 (future wetland). Cottrell Dredging will also be pumping sand for the construction of cell 6 dikes into cell 5 (future wetland).

**Cell 3D:**

- MES continues to monitor the tidal exchange in cell 3D.
- No significant slope erosion noted this month.

**Cell 5:**

- MES noticed no further settlement in the section that failed in late July. Final grades held through March 2006.
- MES began to construct a bench along the East side of the cross dike to protect it from erosion which is particularly harmful on a South wind.

**Crust Management:**

- Perimeter trenching for Crust Management started 3/20/06.
- 18,750 LF of trenches were completed in cells 1A, 1B, 1C and 1D as of 3/31/06

**Roadway Repairs:**

- Since a need exists for CR-6 for maintenance projects supporting inflow, there is not enough CR-6 on hand to complete the roadway repairs. MES is awaiting delivery of an additional 2000 tons of CR6.
- MES on-site personnel re-surfaced the eastern dike road from the boat pier to the south side of the notch as well as the area north of the boat dock along Cells 3C and 3D.

**Operations Trailers on Poplar Island:**

- MES held a pre-construction meeting with the general contractor and all sub-contractors involved with the trailer move. The move will begin on April 3, 2006.

**Fuel Farm Pad:**

- MES personnel will utilize sand pushed to the western side of the fuel farm to complete construction of the fuel farm project.

Date: 04.21.06

**Project Status Report Form**  
*Prepared by*  
**Harbor Development**

Project Name: Poplar Island Site Development

Task #, Name: \_\_\_\_\_

**Marine Safety Review:**

- MES received the report on Marine Safety Review for Poplar Island, HMI and Cox Creek. Revised safety guidelines were issued on March 22, 2006 and tailgate training sessions were held to update all HMI staff on these guidelines and procedures.

Signature/Date: David Belw 042106  
(Project Manager)

**\*\*\* For Internal Use Only \*\*\***

**POPLAR ISLAND ENVIRONMENTAL RESTORATION PROJECT**  
***Environmental Monitoring Task Update***  
**March 2006**

*All tasks included in this update (except where noted) are funded from the approved FY06 Poplar Island Environmental Restoration Project Operations and Monitoring Budget. Costs associated with specific Poplar monitoring tasks are tracked separately upon requested.*

*This update does not include MES activities associated with regular operations and crust management environmental monitoring.*

**Algae Monitoring**

Bi-weekly algae sampling will commence in April. MES finalized the DNR sample analysis contract and distributed sampling schedule to DNR and field sites.

**MES Tasks for Reporting Period:**

- Finalized DNR analysis contract.
- Set-up algae sampling schedule.

**Future:** Algae monitoring will begin in April.

**Habitat Development Framework/  
Adaptive Management Plan (EPATS Task 46)**

**Update - Habitat Development Framework (HDF):** The 2004 monitoring and habitat development studies have been received. They will be reviewed and recommendations will be compiled for incorporation into the 2006 HDF version.

**Update - Adaptive Management Plan (AMP):** MES continues to manage the AMP. Under the EPATS Agreement (Task 46) and the ERP Agreement (Task 36), progress on this task is reported separately.

**MES Tasks for Reporting Period:**

- Continued updating the 2006 version of the HDF

**Future:** MES will continue to finalize the HDF in April and provide support to the Adaptive Management Team.

**Working Group (WG) Coordination**

**Update:** MES has been providing all of the planning, coordination, handouts and meeting summaries, for the bi-annual working group and sub-group meetings. MES has also been drafting the monthly WG updates, as requested by CENAB and MPA. A HSG meeting was held on February 23<sup>rd</sup>. The WG meeting has been scheduled for May 9<sup>th</sup> at PIERP.

**MES Tasks for Reporting Period:**

- Distributed the HSG meeting summary.
- Distributed the SERC proposal to the HSG and gathered comments.
- Distributed proposal comments to the Project Team.

**Future:** MES will continue to provide monthly WG updates (for distribution by the Corps).

### **Poplar Exterior/Framework Monitoring**

**Update:** EA conducted the benthic tissue and community sampling in October. EA continues to review data from this sampling event. MES continues to manage the contractors performing the 2005/2006 faunal monitoring per the monitoring framework plan, and assisting the Corps with the management of their exterior monitoring contractors (NOAA, USFWS, USGS-BRD).

MES began working on updating the description of monitoring sections of the Framework Monitoring Document (FMD). During the January AMP meeting, the AMT determined that the Framework Monitoring document purposes and hypotheses also need to be updated. MES informed the HSG of this need at the February HSG meeting and emailed these sections to each PI for review and comments in March.

#### **MES Tasks for Reporting Period:**

- Contract management for exterior monitoring (contracts managed by MES).
- Continued to update the Framework Monitoring document.
- Emailed each PI the FMD purpose, objectives and brief description section for their monitoring
- Began to update the FMD based on PI input.

**Future:** MES will begin to coordinate with the framework monitoring researchers regarding studies that were conducted at the site in 2005. MES will continue to update the FMD and will distribute to the HSG for review in April. MES will manage the appropriate contracts for the 2006 monitoring tasks.

### **Cell 3D Monitoring**

**Update:** All water quality in the cell has been within site WQC. EC conducted site visits in March to determine their replanting effort. UMCES Cell 3D Monitoring - under the EPATS Agreement (Task 59) progress on this task is reported separately.

#### **MES Tasks for Reporting Period:**

- Continued drafting the 2005 Cell 3D Monitoring Report.
- Drafted the Cell 3D 2006 Monitoring Plan.
- Began coordinating with Corps to determine if the flow meters will be installed in 2006.

**Future:** MES will continue to implement the Cell 3D Monitoring Plan. MES will continue to attend Cell 3D planting progress meetings. MES will finalize the Cell 3D 2005 Monitoring Report and the 2006 Cell 3D Monitoring Plan. MES will also coordinate with CENAB and MPA to determine if the tide gauges should be re-installed in the spring.

### **Vegetation Monitoring/Control**

**Update:** MES discussed what vegetation control treatments should be implemented on the shell/pea gravel nesting islands in 2006 with the HSG at the February meeting. The treatments will be implemented in March. MES will resume the nesting island monitoring in April 2006.

#### **MES Tasks for Reporting Period:**

- Determined treatments needed for “unvegetated” nesting islands for 2006.
- Began implementing treatments for unvegetated nesting island

**Future:** The Nesting Island monitoring will be continued in 2006, beginning in April. MES will complete implementation of the treatment plan for the “unvegetated” nesting islands in March.

**Project Status Report Form***Prepared by MES for***Harbor Development****Project Name:**

EPATS Task 59: Poplar Cell 3D Sediment and Plant Monitoring

(This project is included under MES Open Ended Consulting EPATS)

**MES Project Manager:**

Jennifer Harlan

**Assignee(s) (Consultants/Contractors):**Maryland Environmental Service  
UM Center for Environmental Science**Contract Period:**

7/11/05 – 07/31/07

**Budget Line #****PIN #:****Contract #:****Task #, Name:**

1085

54000010

500912

EPATS #59  
Poplar Cell 3D  
Sediment and Plant  
Monitoring**Project Budget (Total):**

\$535,871(Total Budget)

**Revisions:**

None

**Revision #:**

N/A

**% Complete (Total):**

45%

**% Expended (Total):**

41%

**% Complete (Crnt. FY):    % Var./Balance  
(Crnt. FY):**60% (Based on work  
anticipated vs. completed  
in FY06)**% Expended (Crnt. FY):    % Var./Balance:**

40%

**Project Goal(s):**

- To monitor Cell 3D to gauge the suitability of dredged material as a planting substrate by: studying the sediment biogeochemistry and pore water biogeochemistry, and assessing the success of the marsh plantings.

**Project Objectives:**

- To monitor Cell 3D to quantify the degree of success in meeting the goals of the project for establishing healthy marshes. To monitor the dissolved phase of the water in the dredged material substrate. To conduct analysis on the solid phase dredged material substrate. To determine how the pore water and sediments are affecting the plant growth. To map sediment erosion and accretion. To measure the success of the plantings within the marsh and on the habitat island. To determine what design features and cell treatments are the most successful in promoting good plant growth and coverage.

**Project Status Report Form***Prepared by MES for***Harbor Development****Project Status – Issues/Solutions (both required):**

- **Issues**
  - None
- **Solutions**
  - None required.
- **MES Activities:**
  - Performed contractor oversight and management.
  - Prepared February progress report.
  - Continued reviewing UMCES report.
  - Began drafting Vegetation Lessons Learned Report
- **UMCES Activities:**
  - Continued analyzing sediment and pore water samples in laboratory.
  - Submitted a bi-monthly report.
  - Began preparing for spring field activities.
- **Future Activities:**
  - MES will continue subcontractor oversight and management, including report review, subcontractor management and invoice payment and schedule oversight.
  - UMCES continue processing data from fall field surveys.
  - UMCES will install sediment markers in mid-April.
  - MES will continue drafting the Cell 3D Vegetation Lessons Learned report.

**Total Contract Amount: \$535,871****Total Amount of 03/31/06 Invoice: \$ 63,551.31****Total Amount Invoiced as of 03/31/06: \$220,450.15**

Signature/Date: David Bilis 04/21/06  
(Project Manager)

**Project Status Report Form***Prepared by***Harbor Development****Project Name:**

Cell Surveying Services at Poplar Island

**MPA Project Manager:**

Dave Bibb

This task is included in the overall PIERP ERP Contract

**MES Project Manager:**

Darren Fisher

**Assignee(s) (Consultants/Contractors):****Maryland Environmental Service****Contract Period:**

09/20/05 – 09/19/06

**Budget Line #**

1090

**PIN #:**

54020020

**Contract #:**

500828

**Task #, Name:**

ERP #37, PIERP

**Project Budget (Total):**

\$185,862

**Revisions:**

\$0

**Revision #:**

NA

**% Complete (Total):**

8%

**% Expended (Total):**

8% (based on Task 37 only)

**% Complete (Crnt. FY):    % Var./Balance (Crnt. FY):**

8%

**% Expended (Crnt. FY):**

8% (based on Task 37 only)

**Project Goal(s):**

Provide cell-surveying services to the MPA and USACE for the management of cell development. Provide support to USACE for sampling activities within the cells at Poplar Island.

**Project Objectives:**

- Provide topographic surveys.
- Provide USACE sampling support.

**Project Status:****MES Activities:**

- Submitted proposal for ERP Task 37 to MPA on September 7, 2005.
- Received approval for task on September 20, 2005.
- Surveys began in October 2005. Final surveys will be provided to MPA and USACE when complete (anticipated to be complete in November 2005).
- MES and USACE worked together during survey and sampling activities.
- Pre-inflow surveys and sampling complete.
- Results provided to MPA and USACE.

**Project Status Report Form**

*Prepared by*

**Harbor Development**

**Future Activities:**

- MES will conduct post inflow surveys and sampling activities with the USACE.
- MES may be asked to survey the cells designated for final inflow and wetland cell development again prior to this year's inflow.

**Total Contract Amount (Task 37 only): \$185,862**

**Total for Task 37 in March 2006 Invoice: \$0**

**Total Amount Invoiced for Task 37 as of 3/31/06: \$16,239**

Signature/Date: David Belis 042106  
(Project Manager)



**Project Status Report Form**  
*Prepared by*  
**Harbor Development**

**Project Name:**

Project Management Planning and Adaptive Management Support for the Poplar Island Environmental Restoration Project

This task is included in the overall PIERP ERP Contract

**MPA Project Manager:**

Dave Bibb

**MES Project Manager:**

Melissa Slatnick

**Assignee(s) (Consultants/Contractors):**

Maryland Environmental Service  
EA Engineering

**Contract Period:**

08/02/05 – 10/02/06

**Budget Line #**

1090

**PIN #:**

54020020

**Contract #:**

500828

**Task #, Name:**

ERP #36, PIERP  
PMP/AMP

**Project Budget (Total):**

\$170,995.71

**Revisions:**

\$0

**Revision #:**

NA

**% Complete (Total):**

65%

**% Expended (Total):**

43% (based on Task 36 only)

**% Complete (Crnt. FY):    % Var./Balance (Crnt. FY):**

85%

15%

**% Expended (Crnt. FY):**

43 % (based on Task 36 only)

**Project Goal(s):**

Assist the MPA and USACE in optimizing the management of Poplar Island by formalizing the adaptive management techniques for the ecological restoration component of the project, and documenting the Poplar Island experience for application to future activities on-site and/or other similar projects.

**Project Objectives:**

- Provide an updated version of the Poplar Island Project Management Plan (PMP).
- Provide an updated version of the Poplar Island Adaptive Management Plan (AMP).
- Implement a task management database and tracking system.
- Utilize adaptive management concepts when working with the Poplar Island Working Group and Subgroups.

**Project Status Report Form**  
*Prepared by*  
**Harbor Development**

**Project Status – Issues/Solutions (both required):**

**Issues**

- Completion of the PMP is pending additional input from the Corps.

**Solutions**

- EA continues to work with the Corps for their contribution to the remaining voids in the PMP. MES has suggested to EA that the PMP be finalized without the remaining Corps information. EA will be coordinating with the Corps on this idea.

**MES Activities: (note: all activities related to the PIERP website management are included in EPATS Task 46)**

- Completed February 2005 progress report.
- Continued coordinating with EA regarding updates needed for the revised PMP and AMP

**Contractor (EA) Activities:**

- Continued updating PMP based on AMP revisions and new reports received from MES.

**Future Activities:**

- MES will continue coordinating with EA to finalize the AMP and PMP.

**Total Contract Amount (Task 36 only): \$170,996**

**Total for Task 36 included in March 2006 Invoice: \$21,724.28**

**Total Amount Invoiced for Task 36 as of 03/31/06: \$73,511.78**

**Signature/Date:** David Biles 042106  
**(Project Manager)**

**Project Status Report Form**  
*Prepared by MES for*  
**Harbor Development**

**Project Name:**

Cell 6 Planning Services for the Poplar Island  
Environmental Restoration Project

This task is included in the overall PIERP ERP  
Contract

**MPA Project Manager:**

Dave Bibb

**MES Project Manager:**

Darren Fisher

**Assignee(s) (Consultants/Contractors):**

Maryland Environmental Service  
GBA

**Contract Period:**

04/26/05 – 04/25/06

**Budget Line #**

1090

**PIN #:**

54020020

**Contract #:**

500828

**Task #, Name:**

ERP #35, PIERP

**Project Budget (Total):**

\$293,872

**Revisions:**

\$0

**Revision #:**

NA

**% Complete (Total):**

12%

**% Expended (Total):**

12% (based on Task 35 only)

**% Complete (Crnt. FY):    % Var./Balance  
(Crnt. FY):**

12%

**% Expended (Crnt. FY):**

12% (based on Task 35  
only)

**Project Goal(s):**

Assist the MPA and USACE in the development of a plan for the closure of Cell 6 at Poplar Island.

**Project Objectives:**

- Provide joint planning team support.
- Participate in the Cell 6 closure and dike raising planning.
- Provide wetland and upland cell development support.
- Provide planning and management services.

**Project Status:**

**MES Activities:**

- Submitted proposal for ERP Task 35 to MPA on March 24, 2005.
- Received approval for task on April 7, 2005.
- Executed contract for GBA Engineering's support for task on April 26, 2005.

**Project Status Report Form***Prepared by MES for***Harbor Development**

- Received from USACE the 65% complete drawings of the Cell 6 closure for review and comment.
- Reviewed USACE 65% complete drawings of the Cell 6 closure.
- Comments submitted to USACE.
- Attend meeting on September 29, 2005 at Poplar Island to discuss the 65% complete drawings of the Cell 6 closure.
- Attend meeting at MPA to discuss Cell 6 closure, inflow, and wetland cell development.
- Review and comment on 95% complete drawings of the Cell 6 closure.

**Contractor (GBA) Activities:**

- Attend Poplar Operations meetings.
- Attend Poplar inflow schedule meetings.
- Attend Poplar pre-bid and pre-con meetings for maintenance items and upcoming inflow season.
- Attend Poplar Cell 6 closure meeting.
- Review and comment on 65% complete drawings of the Cell 6 closure.
- Attend Poplar meeting at MPA with MES and USACOE to discuss Cell 6 closure, inflow, and wetland cell development.
- Review and comment on 95% complete drawings of the Cell 6 closure.
- Attend Poplar inflow schedule meeting on January 19, 2006.
- Attend Poplar Operations meeting on January 19, 2006.
- Analyzed inflow data.

**Future Activities:**

- GBA will continue to attend Poplar Island operations, cell 6 closure, inflow, and construction meetings.
- USACE to incorporate comments submitted by GBA, MPA, and MES into cell 6 drawings.
- USACE to complete drawings and bid specifications and put out for bid in March 2006.
- Tasks may be revised due to USACE funding and the desire to implement an alternative wetland cell development proposed by GBA.

**Total Contract Amount (Task 35 only): \$293,872****Total for Task 35 in March 2006 Invoice: \$2,569****Total Amount Invoiced for Task 35 as of 3/31/06: \$35,679**

Signature/Date: David Bulw 04/21/06  
(Project Manager)

**Project Status Report Form**  
*Prepared by*  
**Harbor Development**

**Project Name:**

Coaches Island Shoreline Stabilization

**MPA Project Manager:**

Dave Bibb

This task is included in the overall PIERP ERP  
Contract

**MES Project Manager:**

Darren Fisher

**Assignee(s) (Consultants/Contractors):****Maryland Environmental Service****Contract Period:**

08/23/04 – 12/31/05

**Budget Line #****PIN #:****Contract #:****Task #, Name:**

1090 (new)

54020020

500828

ERP #34, PIERP

**Project Budget (Total):**

\$244,806

**Revisions:**

\$0

**Revision #:**

NA

**% Complete (Total):**

99%

**% Expended (Total):**

96% (based on Task 34 only)

**% Complete (Crnt. FY):    % Var./Balance  
 (Crnt. FY):**

99%

**% Expended (Crnt. FY):**96% (based on Task 34  
only)**Project Goal(s):**

Provide shoreline stabilization and beach restoration services for Coaches Island.

**Project Objectives:**

- Completion of the shoreline stabilization design.
- Securing the erosion and sediment control permit.
- Securing a contractor and providing construction management services.
- Completion of the beach restoration.

**Project Status:****MES Activities:**

- Submitted proposal for ERP Task 34 to MPA on June 30, 2004.
- Received approval for task on August 23, 2004.
- Completion of shoreline stabilization design.
- Secured erosion and sediment control permit.

**Project Status Report Form**

*Prepared by*

**Harbor Development**

- Secured contractor for shoreline stabilization services.
- Completed beach restoration.
- Final contractor invoice paid.
- Meeting with property owner resulted in minor repair work to beach area and work completed.

**Future Activities:**

- Construction activities are complete.
- Meeting with Coaches Island owner, MPA, and MES was held on October 12, 2005.
- Final remaining items involving invoices for beach restoration activities. Task complete with November 2005 invoice. A pump rental invoice was paid in December for the work done in October – invoice submitted in November and paid in December.
- Property owner has requested additional work to be completed by MES via an agreement with the property owner. Property owner to pay for these services.
- Task complete.

**Total Contract Amount (Task 34 only): \$244,806**

**Total for Task 34 in March 2006 Invoice: \$0**

**Total Amount Invoiced for Task 34 as of 3/31/06: \$234,60**

**Signature/Date:**

David Belis 042106  
**(Project Manager)**

**HART-MILLER ISLAND DMCF**  
***Environmental Monitoring Task Update***  
**March 2006**

*All tasks included in this update (except where noted) are funded from the approved FY 06 and FY07 Hart-Miller Island Operations and Monitoring Budget. Costs associated with specific HMI monitoring tasks are tracked separately upon request.*

*This update does not include MES activities associated with regular operations and crust management environmental monitoring.*

**Groundwater Study**

**Update:** MES drafted a monitoring plan for the future of the groundwater monitoring well study at HMI using the wells installed for the 2002/2003 study, which was approved by MDE in late December. This plan has been implemented as of January 2006; the first semi-annual set of samples will be collected in early spring. Per MPA request, MES drafted a White Paper that details the background and results from the old HMI wells.

**MES Tasks for Reporting Period:**

- Ordered equipment and supplies for the groundwater monitoring well study.
- Sent final copy of HMI Well White Paper to MPA.

**Future:** The groundwater wells will be monitored on a semi-annual basis as presented in the new monitoring plan. The first sampling event will take place in May.

**Vegetation (*Phragmites*) Monitoring**

**Update:** Maryland Department of Natural Resources (DNR) has been contacted to perform a burn for dead *Phragmites*. The burn, originally scheduled for November 2005, has been pushed to early spring due to weather and DNR availability. DNR sent a cost estimate and prescribed burning agreement, which was reviewed by MES in February. In late March, the State implemented a burning ban.

**MES Tasks for Reporting Period:**

- Contacted Baltimore County Environmental Health Department to request an open air burn permit on 3/3/06. Follow up calls as of the end of March; the permit application has not been processed.
- Drafted and sent DNR a letter requesting permission to burn *Phragmites* at HMI park site.
- Due to lack of rain, no burns could be conducted in March.
- Prepared burn costs to MPA for cost approval.

**Future:** MES will continue coordinating the burn with DNR and Baltimore County, in hopes that the burning ban will be lifted in April. MES will continue to prepare for the burn by getting the necessary burn permits, notifying the public and county fire marshal of the planned burn and installing fire breaks within the facility. MES will receive MPA and MDA permission before spraying a broadleaf herbicide, other than Glypro<sup>®</sup>, in the South Cell uplands and MES will develop a plan for controlling invasive plants such as pokeweed and mile-a-minute.

**North Cell Inflow Planning/Closure/Sediment Sampling**

**Update:** MES continues to coordinate with GBA regarding inflow planning and meeting preparation. MES HQ staff continued to follow up on action items from the inflow-planning meeting held on October 20<sup>th</sup>. MES assisted with preparation of the presentation to MDE regarding the use of permit limits rather

- Ordered mulch to place around trees and shrubs in South Cell uplands.
- Researched herbicides to use as around trees and shrubs before the mulch is put down.

**North Cell (NC) Demonstration Plots**

**Update:** At the March 31, 2005 NCCT meeting, the team decided to wait to discuss the development of the NC demonstration plots until the results of the South Cell sediment and vegetation survey data was received and reviewed. The test plot area has been selected and bermed off from inflow material.

**Future:** MES will work with the NCCT to determine how and when the demonstration plots will be built.

**Other:**

- Melissa Slatnick attended the February COC meeting at MPA.



than goals to collect data for future inflows. MES worked with GBA and MPA to develop the TSS Study criteria. During the TSS study plan, MES participated in daily conference calls between MES HQ, MES HMI and GBA. Specific North Cell Closure Team tasks are reported under the EPATS agreement, while the pH treatment plan tasks will be reported under the TSA agreement.

**MES Tasks for Reporting Period:**

- Continued reviewing draft of "Standard Operating Procedures for Environmental Monitoring".
- Conducted March TSS gradient sampling; samples were prepared and submitted to laboratory for analysis.
- Continued discussions with Agrotors for a trial aerial application of lime.
- Implemented TSS Study from 3/6 – 3/24.
- Conducted daily conference calls with GBA/MES during TSS Study.
- Drafted and submitted notification letter to MDE Inspection Division regarding the TSS Study.
- Drafted and distributed weekly update on metals and pH treatment.

**Future:** MES will continue to assist the MPA and their consultants in preparing for the final years of inflow. MES will prepare a report for MDE regarding findings from the TSS Study. MES will prepare the MDE submittal package with the TSS study report and the GBA management plan. MES will finalize the SOP and distribute it to MPA and GBA for review. The next set of North Cell sediment samples will be collected in spring 2006.

**Discharge Permit**

**Update:** Per the permit requirements, MES prepared a nutrient reduction plan (NRP) that was sent to MPA in June for review and then forwarded it to MDE. MES received a response from MDE on the plan. Additional meetings have been held between MPA, EA and MES to discuss the next steps. Under the EPATS agreement, these tasks are detailed in a separate progress report (Task 61).

**MES Tasks for Reporting Period:**

- Conducted monthly sampling at each spillway in the North Cell.
- Received MDE guidance for failed biomonitoring retest; guidance was for second retest.
- Conducted second biomonitoring re-test on 3/1 - no mortality to either species.
- Drafted and submitted biomonitoring report to MDE.

**Future:** Awaiting determination of final permit limits for ammonia, copper and zinc from MDE. MES is currently operating under the interim limits, which were extended for 12 months since the chemical translator and mixing zone reports have both been submitted to MDE.

**Algae Monitoring**

**Update:** Biweekly algae sampling will commence in April 2006. MES finalized the algae analysis contract with DNR and prepared for sampling.

**MES Tasks for Reporting Period:**

- Prepared sampling schedule.
- Prepared & finalized DNR analysis contract.

**Future:** Sampling will resume in April 2006. If any species of concern (Pfiesteria, microcystis) are found in the samples, MES will notify MPA.

**South Cell Vegetation/Soil Monitoring**

**MES Tasks for Reporting Period:**

**Project Status Report Form***Prepared By***Harbor Development****Project Name:**MPA-MES-Maryland Geological Survey (MGS) 3-Way  
Coastal Geology Services IGA*(This project includes no billings by MES. All MES  
labor associated with this contract is billed through  
EPATs Task 2 or the cost center the services are  
associated with, through prior arrangement and with  
approval by MPA.)***MPA Project Manager:**

Dave Bibo

**MES Task Manager**

Melissa Slatnick

**Assignee(s) (Consultants/Contractors):**Maryland Environmental Service  
Maryland Geological Survey**Contract Period:**

April 3, 1996 Through Dec 31, 2006

**Budget Line #****PIN #:****Contract #:****Task #, Name:**

1100

596924

596924

MES / MGS Coastal  
Geology**Project Budget (Total):****Revisions:****Revision #:**

\$300,000 (Original)

\$600,000 (Revised Total)

\$900,000 (Revised Total)

\$300,000

\$300,000

1

2

**% Complete (Total):****% Expended (Total):**

70% (based on amount committed not invoiced)

Invoiced directly to MPA

**% Complete (Crnt. FY):    % Rem. (Crnt. FY):****Expended (Crnt. FY):****Balance:**

NA

NA

Invoiced directly to MPA

\$629,604 committed to  
tasks.\$270,395 uncommitted  
to tasks.**Project Goal(s):** To provide coastal geology services to Port-related projects by the Maryland Geological Survey, with technical oversight by MES.**Project Objectives:** To provide coastal geology services to the Dredged Material Management Program and Port related projects. To support environmental monitoring and documentation of MPA projects associated with Port activities, dredging projects, and environmental restoration projects and alternatives.**Project Status - Issues/Solutions (both required):**• Issues

- None.

• Solutions

- None required.

**Project Status Report Form**

*Prepared By*  
**Harbor Development**

- MES Activities
  - Prepared the February progress report.
- MGS Activities
  - Please see attached MGS March Activity Report.
- Future Activities
  - MES will continue to work with MPA and MGS during the transition of MGS personnel.

Signature/Date: David Buls 042106  
(Project Manager)

**Project Status Report Form**

*Prepared By*  
**Harbor Development**

**Monthly Activity Report  
March 2006**

<u>Task Number</u>	<u>Task Name</u>	<u>Activity</u>
21	James Island Survey and Interpretation	No activity
26	James Island Acoustic Survey	No activity
28	Sparrows Point Acoustic Survey	No activity
30	HMI Anoxic Well Monitoring	No activity.
35	DMMP Support	Jeff Halka missed the BEWG meeting, but reviewed the minutes, attended a Citizens Committee Meeting, and attended 2 workshops on the Chesapeake Marshlands restoration.
36	NOB 8-10 Resurvey	Responded to local Tilghman Island newspaper request about sediment accumulation on NOB 8-10.
39	PI Sediment Chemistry 04	No activity.
40	PI Tide Gauges	Invoicing completed.
41	PI Sediment Quality	No activity.

Date: 04.21.06

**Project Status Report Form**  
*prepared by*  
**Harbor Development**

**Project**

Dredged Material Management Consulting - Dredging

**Project Manager:**

David Bibo

**Assignee(s) (Consultants/Contractors):**

Gahagan & Bryant Associates, Inc.

**Contract Period:**

March 1 – March 31, 2006

**Budget Line #**

1155

**PIN #:**

54100010

**Contract #:**

502820A

**Task #, Name:**

Task 9 HMI Closure/Filling  
Planning and Design

**Project Budget (Total):**

\$642,165

**Revisions:**

**Revision #:**

**% Complete (Total):**

50%

**% Expended (Total):**

60.21%

**% Complete (Crnt FY):**

45%

**Var/Balance:**

Favorable/55%

**% Expended  
(Crnt FY):**

72.79%

**Var/Balance:**

Favorable/28.21%

**Project Goal(s)**

Hart Miller Island (HMI) will be closed for all placement of dredged material at the end of 2009 and final cap or cover material placement will begin at the end of 2007. GBA will participate in the planning and design for operations, placement and final filling, and closure for the HMI site.

**Project Objectives:**

GBA will provide qualified staff to assist the MPA with the following subtasks

- |                                                                         |                                                              |
|-------------------------------------------------------------------------|--------------------------------------------------------------|
| <b>9.1)</b> Operations/Placement Plans – Filling and Capacity Estimates | <b>9.4)</b> Meetings and Site Visits                         |
| <b>9.2)</b> Field Borings & Consolidation Estimates                     | <b>9.5)</b> Construction Planning and Equipment Optimization |
| <b>9.3)</b> Cap Closure Team                                            |                                                              |

**Project Status - Issues/Solutions (both required):**

Increase to Budget (Change Order No. 6 \$241,555.00) Draft report on Filling Plan including projected inflow contracts, material/water balances, operational issues and an analysis of recirculation as a water quality mitigation technique is nearing completion. TSS study in conjunction with MES completed the test protocol and data acquisition phase. Report drafts for this project item are in progress. Additional support for the Closure Team regarding the Filling Plan and projected Final Surface have been prepared.



(Project Manager)

April 21, 2006

(Date)

**Project Status Report Form**  
*prepared by*  
**Harbor Development**

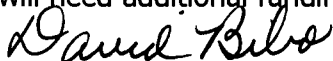
**Project**Dredged Material Management Consulting - Dredging**Project Manager:**David Bibo**Assignee(s) (Consultants/Contractors):**Gahagan & Bryant Associates, Inc.**Contract Period:**March 1 – March 31, 2006**Budget Line #****PIN #:**115554100010**Contract #:**502820A**Task #, Name:**Task 13 – Seagirt Marine  
Terminal 50ft Deepening**Project Budget (Total):**\$275,000.00**Revisions:****Revision #:****% Complete (Total):**15%**% Expended (Total):**9.34**% Complete (Crnt FY):**15%**Var/Balance:**Favorable/85%**% Expended  
(Crnt FY):**34.26**Var/Balance:**Favorable/65.74**Project Goal(s)**

The Seagirt Marine Terminal Entrance Channel 50 foot deepening is required in order to create navigable waters for ships to traverse and berth. This task will include: geotechnical field borings, testing and data analysis; four hydrographic surveys (conditional, before dredging, progress and after dredging); channel deepening contract documents 90%, 100% and final plan drawings, specification and engineers cost estimate (PSE); and project task management, planning, and bidding. The documents will be consistent with MES procurement formats and will provide the basis for a competitively bid construction project.

**Project Objectives:** GBA will provide qualified staff to assist the MPA with the following subtasks

**13.1)** Geotechnical Field Borings, Testing & Data Analysis**13.2)** Hydrographic Survey**13.3)** Plans, Specifications and Engineers Cost Estimates**13.4)** Task Management, Planning & Bidding**Project Status - Issues/Solutions (both required):**

The following have been in progress: Condition survey of Seagirt dredging area, Quantity analysis for bid, General plans & sections, review of existing geotechnical information, meetings with MPA Harbor Development and Engineering and MES regarding the nature of the procurement, plans & subcontractor procurement for additional geotechnical borings, discussions of combined specifications and plans for Masonville Pre-dredging and Seagirt 50 ft dredging, analysis of filling scenarios at HMI. Geotechnical work will need additional funding (\$50,000-100,000) for larger equipment to perform borings.



(Project Manager)

April 21, 2006

(Date)

**Project Status Report Form**  
*prepared by*  
**Harbor Development**

**Project**Dredged Material Management Consulting - Dredging**Project Manager:**David Bibo**Assignee(s) (Consultants/Contractors):**Gahagan & Bryant Associates, Inc.**Contract Period:**March 1 – March 31, 2006**Budget Line #****PIN #:**115554100010**Contract #:**502820A**Task #, Name:**Task 12 Poplar Island Site  
Operations – Lessons  
Learned**Project Budget (Total):**\$99,287.00**Revisions:****Revision #:****% Complete (Total):**45%**% Expended (Total):**47.54%**% Complete (Crnt FY):**40%**Var/Balance:**Favorable/60%**% Expended  
(Crnt FY):**21.94%**Var/Balance:**Favorable/78.06%**Project Goal(s)**

GBA will review operational practices and procedures at Poplar Island upon request of the MPA and provide comments, recommendations and/or reports accordingly.

**Project Objectives:**

GBA will provide qualified staff to assist the MPA with the following subtasks

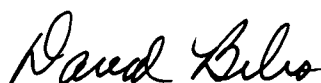
**12.1)** Cell 3D Lessons Learned Report

**12.2)** Construction Planning and Equipment Optimization

**12.3)** Cell 5 Deep Hole Wetland Development Plan (Change Order No. 1)

**Project Status - Issues/Solutions (both required):**

Work continued on Cell 3D Lessons Learned Cell 3D report revisions. CENAB provided GBA with text explaining the testing procedures and results for the report. GBA incorporated this data into the report and is planning on distributing the final report on April 7, 2006.



(Project Manager)

April 21, 2006

(Date)

Date: 04.21.06

**Project Status Report Form**  
*prepared by*  
**Harbor Development**

**Project**

Dredged Material Management Consulting - Dredging

**Project Manager:**

David Bibo

**Assignee(s) (Consultants/Contractors):**

Gahagan & Bryant Associates, Inc.

**Contract Period:**

March 1 – March 31, 2006

**Budget Line #**

1155

**PIN #:**

54100010

**Contract #: Task #, Name:**

502820A

Task 10 Cox Creek Operations &  
Filling Planning & Design

**Project Budget (Total):**

\$118,183

**Revisions: Revision #:**

**% Complete (Total):**

45%

**% Expended (Total):**

34.91%

**% Complete (Crnt FY):**

55%

**Var/Balance:**

Favorable/45%

**%  
Expended  
(Crnt FY):**

82.53%

**Var/Balance:**

Favorable/17.47%

**Project Goal(s)**

Cox Creek Dredged Material Containment Facility will begin operations as early as the fall of 2005. GBA will participate in the planning and design for operations and placement for the Cox Creek site.

**Project Objectives:**

GBA will provide qualified staff to assist the MPA with the following subtasks:

- |                                                                             |                                                                  |
|-----------------------------------------------------------------------------|------------------------------------------------------------------|
| <b>10.1)</b> Operations/Placement Plans – Filling and<br>Capacity Estimates | <b>10.3)</b> Construction Planning and Equipment<br>Optimization |
| <b>10.2)</b> Meetings and Site Visits                                       |                                                                  |

**Project Status - Issues/Solutions (both required):**

Review of ongoing progress reports from MES and Filling Plan analysis.

*David A. Bibo*

(Project Manager)

April 21, 2006

(Date)



April 14, 2006

Mr. David Bibo  
Harbor Development  
Maryland Port Administration  
The Maritime Center II  
2310 Broening Highway  
Baltimore, Maryland 21224-6621

Reference: Comprehensive Monitoring of the Site 92 Open Water Placement Site  
Progress Report for March 2006  
MPA Contract No.: 599910 Pin No.: 521100-40  
MES Contract No.: 99-07-11

Dear Mr. Bibo:

Enclosed is a progress report that details project activities on the Comprehensive Monitoring of the Site 92 Open Water Placement Site for March 2006. Please contact me at 410-729-8335 with any questions or comments.

Sincerely,

Elizabeth Habic  
Project Manager  
Environmental Dredging & Restoration  
Division

Enclosure  
Cc: Nat Brown

## **PROGRESS REPORT**

**Project: OPEN-WATER PLACEMENT SITE 92**

**Period: March 2006**

**MPA Contract No.: 599910**

**MPA PIN: 521100-40**

**CENAP Contract No.: DACW61-03-C-00031, Option Year 2**

**MPA Contract Amounts:**

**Year 3: \$157,430.09**

**Year 4: \$162,130.72**

**Year 5: \$164,790.13**

**Year 6: \$122,424.27**

**Year 7: \$118,680.93**

**Year 8: \$136,113.80**

### **A. Site Management**

1. MES collected and incorporated comments from the Principal Investigators (PI) Team on the draft Year 8 Site Management Report, and finalized the Year 8 Site Management Report.
2. MES distributed one hard copy of the Final Year 8 Site Management Report to each member of the PI Team on March 10<sup>th</sup>.

### **B. Consolidation and Resuspension (MGS)**

1. MGS reviewed and submitted comments on the draft Year 8 Site Management Report.
2. MGS continued to analyze and interpret Year 7 surveys and sediment data collected to date.
3. MGS continued drafting the Year 7 Placement, Consolidation, and Erosion (PCE) Study.
4. MGS continued to analyze Year 8 surveys and sediment data collected to date.
5. MGS submitted a progress report for the month of February on February 28, 2006.

### **C. Benthic Community Evaluation**

1. The benthic community evaluation will not be performed until approximately 18 months after the end of all placement activities at Site 92.

### **D. Technical Support (MDE) Report Period January - March**

1. Staff from MDE, Technical and Regulatory Services (TARSA) and Water Management Administrations (WMA) coordinated internally on environmental

and technical issues related to the Site 92 project to ensure that all regulatory requirements of the project were met.

2. MDE provided internal updates on post-placement conditions for Year 8 at Site 92 and evaluated compliance with the State Water Quality Certification.
3. MDE submitted an invoice for Year 8 work on March 9<sup>th</sup>.
4. MDE submitted a quarterly progress report for the period of October – December 2005.
5. MDE coordinated with MES to ensure budget and deliverable issues are consistent with CENAP Year 8 requirements.
6. MDE reviewed scow placement data, scow placement maps and bathymetry surveys generated by CENAP, MGS and Norfolk Dredging Company for Year 8 material placement.
7. MDE reviewed and submitted comments on the draft summary for the December 21<sup>st</sup> Contractor/Team e-mail discussion.
8. MDE attended the January 25<sup>th</sup> PI Team meeting.
9. MDE reviewed and submitted comments on the draft summary from January 25<sup>th</sup> PI Team meeting.
10. MDE reviewed the capacity tables for Projected Usage at the Pooles Island Placement Sites.
11. MDE provided internal updates on post-placement conditions for Year 8 at Site 92 and evaluated compliance with the State Water Quality Certification.
12. MDE reviewed and submitted comments on the draft Year 8 Site Management Report.

**E. Technical Integration**

1. MES coordinated studies and principal investigators to maximize efficiencies and exchange information during the Year 8 study period.
2. MES communicated with principal investigators as necessary to review findings of the studies and to coordinate activities.
3. MES verified and tracked deliverables and findings as necessary.
4. MES provided overall program QA/QC to ensure that report and project elements met stated technical objectives.

5. MES provided technical information and guidance as necessary for future Site 92 placement actions and certifications.

**F. Project Management**

1. MES distributed the draft summary for the January 25<sup>th</sup> PI Team meeting on March 6<sup>th</sup>, incorporated comments from the PI team, and distributed the final summary on March 10<sup>th</sup>.
2. MES coordinated with MGS and MDE for submittal of project status reports.
3. MES coordinated with MGS and MDE for submittal of Scopes of Work by April 2006 for inclusion in the Year 9 request for funding and CENAP contract renewal.
4. MES monitored progress on all work tasks and informed the clients on its status.
5. MES provided invoice amounts in advance of invoices being sent for CENAP tracking purposes.
6. MES began deobligation process of funds remaining on contract DACW61-03-C-0031 by coordinating with CENAP on amount of remaining balance.
7. MES submitted a monthly status report for the month of February on March 15, 2006 to MPA and CENAP.
8. MES submitted a monthly financial report to MPA for the month of February on March 15, 2006.

**G. Turbidity Plume Monitoring**

1. Turbidity plume monitoring is conducted only when placed materials exceed the authorized elevation of -14 MLLW and dragging is determined necessary. The final elevation at Site 92 was evaluated during the December 21<sup>st</sup> Contractor/Team e-mail discussion and the Study Team determined that dragging was not necessary and thus Turbidity Plume Monitoring is not necessary for Year 8.

Date: 04.21.06

**Project Status Report Form**  
*prepared by*  
**Harbor Development**

**Project Name:** Site 92 Comprehensive Monitoring

**MPA Project Manager:** Dave Bibo

**MES Project Manager:** Elizabeth Habic

**Assignee(s) (Consultants/Contractors):**

MES  
MDE  
MGS

**Contract Period:**

05/1/98 – 06/30/2013

**Budget Line #**

**PIN #:**

**Contract #:**

**Task #, Name:**

975

52110040

599910

**Project Budget (Total):**

**Revisions:**

**Revision #:**

\$1,472,815.61 (years 1-13)

**% Complete (Total):**

**% Expended (Total):**

Year 1 & Year 2: 100%

52% (\$774,325 through March 2006)

Year 3 & Year 4: 100%

Year 5 & Year 6: 100%

Year 7: 87%

Year 8: 40%

**% Complete (FFY 06):**

**% Expended (FFY 06 Funds):**

**Var/Balance:**

FY 06 Budget: \$136,113.80

20%/\$53,887.45

80%/\$218,340.15

(FY06 budget is based on FFY06 budget of \$272,227.60  
split 50/50 with CENAP for period of 10/1/05 – 9/30/06)

**Expended during (FY 06):**

**Var/Balance:**

Total: \$83,252.26

**Project Goal(s):** Management of site monitoring activities at Site 92

**Project Objectives:** Conduct management activities of site monitoring activities at Site 92

**Project Status - Issues/Solutions (both required):**

**March:**

See attached status report

**April:**

- MES will distribute the draft Year 7 Placement, Consolidation, and Erosion Study Report to the PI Team for review.
- MES will prepare for and facilitate a PI Team meeting on April 26<sup>th</sup> in Chesapeake City, MD.
- MES will draft and distribute draft and final action items and meeting summaries for the April 26<sup>th</sup> PI Team meeting.
- MES will begin drafting the CENAP contract to extend Site 92 Monitoring through Years 9, 10, and 11 of material placement.

Date: 4/14/06

**Project Status Report Form**  
*prepared by*  
**Harbor Development**

Project Name: Site 92 Comprehensive Monitoring

Task #, Name: \_\_\_\_\_

**Project Status - Issues/Solutions (both required):**

- MES will update MPA regarding the potential dissolution of MGS and how this might affect the Site 92 work.

**PROJECT INFORMATION FOR YEAR 8 OF PLACEMENT**

Amount of Contract: \$3,417,830.22

Amount of Dredged Material:

BD Survey – 633,610 cy

Total Removed- 679,470 cy

Pay Yards- 600,738 cy

IBD Survey – 512,600 cy

Amount of Material Dredged: 871,703 cy (final contractor estimate as of 12/10/05)

Amount of Material Remaining To Be Dredged: none

Advertisement Date: July 11, 2005

Estimated Time To Complete: 71 days

NTP Issued: September 30, 2005

Weather Days: 2 (waiting for final number from CENAP)

Completion Date: 12/10/05

Signature/Date: David Belo 042106  
(Project Manager)

**Project Status Report Form**  
*Prepared by*  
**Harbor Development**

**Project Name:**

Hart-Miller Island South Cell Environmental  
Restoration Project (HMI SCERP)

**Project Manager:**

David Bibo

**Assignee(s) (Consultants/Contractors):**

MES  
UMCES

**Contract Period:**

2002-2007

**Budget Line #:**

735

**PIN #:**

50130040

**Contract #:**

500607

**Task #, Name:**

HMI SCERP

**Project Budget:**

\$1,800,000 (Total)  
\$131,082(FY06)

**Revisions:**

None

**Revision #:**

None

**% Complete – Work (Total):**

80%

**% Expended - \$ (Total):**

96%/\$1,733,904

**% Complete (Crnt FY): Var/Balance:**

70%

**% Expended (Crnt FY): Var/Balance:**

FY 06 is based on an  
approved budget of  
\$131,082

41%/\$54,249

59%/\$76,833

**Project Goal(s):**

Restore the Hart-Miller Island South Cell creating a habitat for migratory birds, consisting of mud flats, nesting island, and uplands.

**Project Objectives:**

- Provide habitat for migratory birds.
- Provide citizens with passive recreation by observing the birds from viewing areas.

## **Project Status Report Form**

*Prepared by*

**Harbor Development**

### **Project Status - Issues/Solutions (both required):**

#### **Issues**

- Gwen Meyer of the USACE provided the MPA with a Memorandum for Record (MFR) that recommended annual mowing in the South Cell uplands, mowing/mulching around woody shrubs and trees, and continuing control of the invasive species, *Phragmites*, and controlling pokeweed and mile-a-minute vine with a broadleaf herbicide.
- Spillway 003 remains bermed off until improvement work is completed to control leakage.

#### **Solutions**

- MES will be developing a plan of action to deal with invasive species within the South Cell in the spring of 2006. An aerial spray for *Phragmites* was completed October 20, 2005. Mowing and mulching will be conducted around trees to improve chances of survival each spring. Mulch was ordered for placement around trees in April 2006.
- MES Operations and Engineering Staff are developing a punch list of items that need to be completed to make Spillway 003 fully functional. Improvement work to spillway design began by Strum Contracting Company in January.

#### **Construction:**

- Geo Con has completed almost all their tasks and they have demobilized.
- The USACE is preparing a punch list for items that need to be corrected prior to closing the contract. Punch list items include: ground cover replacement in some areas, repair of the walkway around the pond, and replacement of the light poles outside of the control building (see below).

#### **Environmental Monitoring:**

- The SCERP is currently in Year 2 of monitoring (November 2005-October 2006). Year 1 monitoring year ended in October 2005.
- MES is conducting Year 2 interior water quality monitoring. One set of samples was collected on March 31, 2006 from the pond in front of Spillway 003, the pond where the pump is located and at N. 265 in the Bay.
- MES will conduct pre-discharge sampling at Spillway 003 once the spillway has been repaired.
- MES coordinated with UMCES on report status for Year 1 Monitoring.
- MES continued drafting the Year 1 Comprehensive Monitoring Report.
- MES processed client and contractor invoices.

#### **Contractor University of Maryland (UMCES) Activities:**

- UMCES submitted a draft of the Year 1 Monitoring Report on March 21st.
- UMCES began edits to finalize the Year 1 Monitoring Report.
- UMCES submitted an invoice for the months of January and February 2006.

#### **Future Activities**

- MES will meet with the South Cell Working Group to discuss possible options to impede *Phragmites* growth in the South Cell pond.
- DNR will begin stocking the South Cell pond with mummichogs and gambusia and conduct monitoring to track growth/survival.
- Mulch will be placed around planted trees to improve survival and limit competition.



Date: 04.21.06

**Project Status Report Form**

*Prepared by*

**Harbor Development**

**Total Project Amount: \$1,800,000**

**Total Funding Allocated for Year 1 Monitoring: \$88,232.08**

**Total Funding Allocated for Year 2 Monitoring: \$42,849.32**

**03/31/06 Invoice Amount: \$10,660.00**

**Total Remaining for Project as of 03/31/06: \$66,095.71**

Signature/Date: David Bulio 04 21 06  
(Project Manager)

Date: 04.21.06

**Project Status Report Form**  
*prepared by*  
**Maryland Port Administration**

**Project Name:** EPATS TASK 2 – Technical Support

**Project Manager:** MPA – Dave Bibo  
MES – Tammy Banta

**Assignee(s) (Consultants/Contractors):**  
MES  
General Physics

**Contract Period:** January 1999 – June 2007

**Task Term:** May 1999 – June 2007

**Reporting Period:** March 2006

<b><u>Budget Line #</u></b>	<b><u>PIN #:</u></b>	<b><u>Contract #:</u></b>	<b><u>Task #, Name:</u></b>
1085	54000010	500912	0302 – Technical Support

**Project Budget (Total):**

\$956,611

**Revisions:**

\$ 100,000 added 8/00

\$ 100,000 added 6/01

\$ 100,000 added 10/01

\$ 100,000 added 04/02

\$ 200,000 added 09/02

\$16,000 added 03/03

\$200,000 added 06/05

\$44,479 added 01/06

**Revision #:**

1

2

3

4

5

6

7

8

**% Complete (Total):**

Ongoing – tasks assigned as needed by MPA

**% Expended (Total):**

87.490.6%

**\$ Expended (Crnt FY06):**

\$149,523.67,180,494.37

**Project Goal(s):** To provide support to MPA for dredged material planning.

**Project Objectives:** To meet the general technical support needs of MPA for DMMP planning, innovative use projects, meeting facilitation, and project management.

**Project Status - Issues/Solutions:**

Report Period: March 1 through March 31, 2006

March 2006:

- MES submitted the monthly status report for February on March 14, 2006.
- MES continued support to the DMMP process by maintaining the BEWG list-serve and facilitating the March 7, 2006 BEWG meeting. MES prepared and distributed a draft meeting summary on March 23, 2006. Preparations began for the April 4, 2006 BEWG meeting.
- MES continued to manage the General Physics contract for State DMMP meeting summaries.
- MES continued to manage the MPA/MES/MGS Coastal Geology Services IGA for MPA.
- MES performed project management duties related to record keeping, review, processing and recording of invoices and production of the status report for the month of February.
- On March 2 and March 23, 2006, MES ~~attended~~ participated in conference calls to continue planning for the Chesapeake Marshlands Restoration Conference.
- MES attended the 3<sup>rd</sup> Annual Science Meeting for Chesapeake Marshlands Restoration on March 8, 2006.
- MES attended the Chesapeake Bay Marsh Restoration Workshop on March 10, 2006 and produced summaries of the afternoon breakout sessions.
- MES toured the Blackwater National Wildlife Refuge for background research for a potential dredged material placement site. A photo log was created.
- MES prepared for and attended the Citizens' Advisory Committee Meeting on March 15, 2006.
- Laserfiche document storage was ongoing during the month of March.
- MES updated and distributed to MPA the project listing chart that provided information on MES managers, task managers and support staff assigned to projects. MES also compiled and distributed an updated phone list for MPA use.
- MES reviewed the Innovative Reuse Committee draft meeting summary for the March 16, 2006 meeting prepared by General Physics on March 22, 2006.
- MES prepared and submitted to MPA on March 22, 2006 task closure documentation for the EPATS Task 47 Federal DMMP Support with a request to return the remaining balance to the general EPATS Agreement. MES received MPA authorization for the task closure on March 27, 2006.
- MES prepared and submitted to MPA on March 22, 2006 task closure documentation for the EPATS Task 50 DMMP Committee Facilitation with a request to return the remaining balance to the general EPATS Agreement. MES received MPA authorization for the task closure on March 27, 2006.
- ☐ On March 8, 2006, MES requested MPA authorization for a budget increase and Notice to Proceed with additional subcontracted services for EPATS Task 54 South Locust Point Entrance Channel Dredging. MES received MPA authorization on March 17, 2006.
- ☐ On March 17, 2006, MES requested MPA authorization for a budget increase and Notice to Proceed with EPATS Task 55 Swan Creek Tidal Monitoring at the Cox Creek DMCF. The request was to provide additional professional services to continue monitoring the Swan

Creek tidal flow and remedial efforts are implemented. MES received MPA authorization on March 21, 2006.

☐ MES prepared and submitted to MPA on March 8, 2006 task closure documentation for the Ecologix Subtask 56.3 under EPATS Task 56 Harbor Technical Support with a request to return the remaining balance to the general EPATS Agreement. MES received MPA authorization for the task closure on March 17, 2006.

☐ On March 28, 2006, MES submitted to MPA a request for a no cost term extension on EPATS Task 56 Harbor Technical Support to June 30, 2007.

☐ On March 14, 2006, MES submitted a request to MPA for a no cost term extension for EPATS Task 60 HMI North Cell Closure Support to June 30, 2006 to complete subcontractor billing on the project. MES received MPA authorization for the no cost extension on March 20, 2006.

☐ MES staff met to discuss the further consolidation of Ecologix tasks under EPATS Tasks 56 Harbor Technical Support and 62 Outreach Policy and Technical Services under TSA Task 4 Outreach Policy and Technical Services.

☐

Future Work Anticipated in April 2006:

- MES will continue to support the State DMMP process. MES will continue to coordinate with MPA on items to be discussed at the next BEWG meeting scheduled for April 4<sup>th</sup> and prepare a draft agenda. MES will facilitate and prepare a meeting summary of this meeting.
- MES will attend meetings on April 5, 18, and 26, 2006 regarding the planning for the International Conference on Wetland Restoration.

Invoiced for March: \$26,725.34 30,970.70  
Invoiced to Date up to March 31, 2006: \$835,738.26 866,753.96  
Remaining as of March 31, 2006: \$120,827.74 89,857.04

Signature/Date: David L. Bilio 04/21/06  
(Project Manager)

Date: 04.21.06

**Project Status Report Form**  
*prepared by*  
**Harbor Development**

**Project Name:** TSA (EPATS II) Task 1 – Technical Support & Project Planning Support

**Project Manager:** MPA – Dave Bibo  
MES – Tammy Banta

**Assignee(s) (Consultants/Contractors):**

MES

**Contract Period:** October 14, 2005 – July 31, 2009

**Task Term:** February 2006 – July 31, 2009

**Reporting Period:** March 2006

**Budget Line #**

**PIN #:**

**Contract #:**

**Task #, Name:**

1085

54140010

506918

Task 1 – Technical Services and Project Planning Support

**Project Budget (Total):**

\$211,617.13

**Revisions:**

**Revision #:**

**% Complete (Total):**

going – tasks assigned as needed by MPA

**% Expended (Total):**

00.60%

**\$ Expended (Crnt FY06):**

\$1,275.280

**Project Goal(s):** To provide support to MPA for dredged material planning. MES will provide professional and technical services in support of program-level planning and inter-organizational coordination; preliminary planning and assessment for supplemental and future placement options including working group facilitation and associated inter-organizational coordination; general public involvement and participation support; professional, technical and documentary support for DMMP Executive, Management and Citizen Committees; and, other planning, facilitation, coordination and dissemination services agreed to by the MPA and MES.

**Project Objectives:** To meet the general support needs of MPA for DMMP project management, technical support, planning and meeting facilitation.

**Project Status - Issues/Solutions:**

- No issues identified to date.

Report Period: March 1 through March 31, 2006

March 2006:

- MES drafted and submitted to MPA the February 2006 TSA Task 1 status report on March 14, 2006.
- ☐ ~~MES finalized the consolidation of Ecologix tasks under TSA Task 4 Outreach, Policy and Technical Services.~~
- ☐ ~~MES approved the Ecologix request to replace Williams and Associates with Frances Flanigan as the MBE performing services on TSA Task 4, Subtask B: Innovative Use of Dredged Material Management Program Development Support on March 22, 2006.~~
- ☐ ~~MES issued Notice to Proceed to GBA and Moffatt and Nichol for work to begin on TSA Task 5, Cox Creek Innovative Reuse task.~~
- MES submitted a proposal to MPA on March 30, 2006 for TSA Task 6, Development of Short and Long Term pH Treatment Plans.
- MES submitted to MPA the proposal for TSA Task 7, HMI North Cell Closure Prefeasibility Study on March 21, 2006. MPA approval was received for the proposal on March 24, 2006.
- MES continued development on TSA Task 8, Environmental Compliance Services.
- MES continued development on TSA Task 9, Air Emission Inventory for Masonville DMCF Construction Activities.

Future Work Anticipated in April 2006:

- MES will continue proposal development services for MPA on the tasks assigned under the TSA agreement.
- MES will prepare the March 2006 status report on this task.
- MES will mail to MPA the proposal and cost estimate for TSA Task 6, DMCF Long-term pH Treatment Plans. MES is anticipating receiving MPA authorization to proceed with TSA Task 6 Development of Short and Long Term pH Treatment Plans. MES will develop a contract with Moffatt & Nichol to perform this work.
- MES will develop a contract with GBA to perform the work on TSA Task 7, HMI North Cell Closure Prefeasibility Level Study.
- MES will complete and submit proposals for TSA Task 8, MPA Environmental Compliance Services and TSA Task 9, Masonville Air Quality Study.

Invoiced for March: \$01,275.28  
Invoiced to Date up to March 31, 2006: \$01,275.28  
Remaining as of March 31, 2006: \$241,617.13 210,341.85














Signature/Date: David L. Belk 04/21/06  
(Project Manager)

Cox Creek DMCF Site Development  
With Dike Raising to 36' and Pier Construction

ID		Task Name	Duration	Start	Finish	Predecessors	Resource Names
1		<b>Swan Creek</b>	<b>864 days</b>	<b>Fri 8/15/03</b>	<b>Tue 12/5/06</b>		
2	✓	<b>Vegetation Control</b>	<b>316 days</b>	<b>Fri 8/15/03</b>	<b>Thu 10/28/04</b>		
3	✓	Phragmites Control- seed source	4 days	Fri 8/15/03	Wed 8/20/03		
4	✓	Phragmites Control- wetland	1 day	Thu 8/28/03	Thu 8/28/03		
5	✓	Phragmites Control- seed source	2 days	Wed 10/6/04	Thu 10/7/04		
6	✓	Phragmites Control- wetland	2 days	Wed 10/27/04	Thu 10/28/04		
7							
8		<b>Beach clean up</b>	<b>828 days</b>	<b>Mon 10/6/03</b>	<b>Tue 12/5/06</b>		
9	↻	Trash Clean up	828 days	Mon 10/6/03	Tue 12/5/06		
49							
50							
51		<b>Dewatering Cells</b>	<b>256 days</b>	<b>Tue 1/3/06</b>	<b>Tue 12/26/06</b>		
52	↻	Pumping	256 days	Tue 1/3/06	Tue 12/26/06		
105	↻	Liming	254 days	Thu 1/5/06	Tue 12/26/06		
169							
170		<b>Contracted Construction Activities</b>	<b>732 days?</b>	<b>Tue 8/5/03</b>	<b>Tue 5/23/06</b>		
171	✓	<b>Spillways</b>	<b>490 days</b>	<b>Wed 8/6/03</b>	<b>Mon 6/20/05</b>		
172	✓	pads and pilings	86 days	Mon 10/6/03	Fri 1/30/04		
173	✓	design/award	167 days	Wed 8/6/03	Wed 3/24/04		
174	✓	construction	267 days	Fri 6/11/04	Mon 6/20/05	173	
175							
176		<b>Unloading Pier</b>	<b>732 days?</b>	<b>Tue 8/5/03</b>	<b>Tue 5/23/06</b>		
177	✓	design/award	371 days	Tue 8/5/03	Mon 1/3/05		
178	✓	erosion and sediment control permit	60 days	Thu 6/24/04	Wed 9/15/04		
179	✓	construction	266 days	Tue 5/17/05	Tue 5/23/06		
180	📅	manage QA/QC contracts	266 days?	Tue 5/17/05	Tue 5/23/06		
181							
182	📅	<b>Dike Raising-MES</b>	<b>690 days?</b>	<b>Mon 5/3/04</b>	<b>Fri 12/22/06</b>		
183	✓	<b>Dike Raising-MES to 24'</b>	<b>369 days</b>	<b>Mon 5/3/04</b>	<b>Thu 9/29/05</b>		
184	✓	Load and haul material	369 days	Mon 5/3/04	Thu 9/29/05		
185	✓	Place material	369 days	Mon 5/3/04	Thu 9/29/05		
186	✓	Grade material	369 days	Mon 5/3/04	Thu 9/29/05		
187	✓	Compact material	346 days	Thu 6/3/04	Thu 9/29/05		
188							
189		<b>Dike Raising-MES to 36'</b>	<b>190 days?</b>	<b>Mon 4/3/06</b>	<b>Fri 12/22/06</b>		
190	📅	Load and haul material	190 days?	Mon 4/3/06	Fri 12/22/06		
191	📅	Place material	190 days?	Mon 4/3/06	Fri 12/22/06		
192	📅	Grade material	190 days?	Mon 4/3/06	Fri 12/22/06		
193	📅	Compact material	190 days?	Mon 4/3/06	Fri 12/22/06		
194	📅	Constuct 8" roadway on top burm	36 days?	Fri 11/3/06	Fri 12/22/06		



Cox Creek DMCF Site Development  
With Dike Raising to 36' and Pier Construction

ID		Task Name	Duration	Start	Finish	Predecessors	Resource Names
195		Construct ramp/roadway to/from pier	36 days?	Fri 11/3/06	Fri 12/22/06		
196		Dike stabilization	36 days?	Fri 11/3/06	Fri 12/22/06		
197							
198	✓	<b>Infrastructure</b>	<b>423 days?</b>	<b>Wed 3/3/04</b>	<b>Fri 10/14/05</b>		
199	✓	<b>Electrical Service</b>	<b>133 days</b>	<b>Fri 6/11/04</b>	<b>Tue 12/14/04</b>		
200	✓	Execute Contract with BGE	5 days	Fri 6/11/04	Thu 6/17/04		
201	✓	BGE install Lines and Transformers	25 days	Wed 11/10/04	Tue 12/14/04		
202							
203	✓	<b>Maintenance Bldg</b>	<b>373 days</b>	<b>Wed 3/3/04</b>	<b>Fri 8/5/05</b>		
204	✓ 	Clean up	173 days	Wed 3/3/04	Fri 10/29/04		
205	✓	Repairs	11 days	Wed 12/1/04	Wed 12/15/04		
206	✓	Interior electrical	85 days	Mon 3/21/05	Fri 7/15/05		
207	✓	Electrical connection	40 days	Mon 5/23/05	Fri 7/15/05		
208	✓	Roof Replacement	55 days	Mon 5/23/05	Fri 8/5/05		
209							
210	✓	<b>Storm drain repairs</b>	<b>98 days?</b>	<b>Wed 6/1/05</b>	<b>Fri 10/14/05</b>		
211	✓	Bid/award	22 days?	Wed 6/1/05	Thu 6/30/05		
212	✓	execute contract	19 days?	Tue 7/5/05	Fri 7/29/05		
213	✓	costruction	41 days?	Fri 8/19/05	Fri 10/14/05		
214							
215		<b>City of Annapolis inflow 2005/2006</b>	<b>155 days?</b>	<b>Mon 11/28/05</b>	<b>Fri 6/30/06</b>		
216	✓	Mobilize	5 days	Mon 11/28/05	Fri 12/2/05		
217	✓	Pumping	23 days	Fri 12/16/05	Tue 1/17/06		
218	✓	Demobilize	24 days	Mon 1/23/06	Thu 2/23/06		
219		Dewatering	129 days?	Tue 1/3/06	Fri 6/30/06		
220							
221		<b>USCG Dredging- Fishing Creek</b>	<b>220 days?</b>	<b>Mon 7/3/06</b>	<b>Fri 5/4/07</b>		
222		Mobilize	5 days?	Mon 7/3/06	Fri 7/7/06		
223		Pumping	82 days?	Mon 7/10/06	Tue 10/31/06		
224		Demobilize	5 days	Wed 11/1/06	Tue 11/7/06		
225		Dewatering	129 days?	Tue 11/7/06	Fri 5/4/07		
226							
227		<b>USACE 2006/2007 Dredging</b>	<b>173 days?</b>	<b>Wed 1/3/07</b>	<b>Fri 8/31/07</b>		
228		Mobilize	4 days?	Wed 1/3/07	Mon 1/8/07		
229		Pumping	66 days?	Tue 1/9/07	Tue 4/10/07	228	
230		Demobilize	4 days?	Wed 4/11/07	Mon 4/16/07	229	
231		Dewatering	150 days?	Mon 2/5/07	Fri 8/31/07		
232							
233		<b>Crust Management 2007</b>	<b>139 days?</b>	<b>Fri 4/20/07</b>	<b>Wed 10/31/07</b>		

ID		Task Name	Duration	Start	Finish	Predecessors	Resource Names
1							
2							
3	✓	Crust Management 2005	449 days	Mon 5/17/04	Tue 1/31/06		
9							
10	✓	Temp Berm/Bench raising	292 days	Mon 11/8/04	Mon 12/19/05		
13							
14							
15		McClean (Baltimore County)	154 days?	Mon 8/1/05	Tue 2/28/06		
16	✓	Mobilization	5 days?	Mon 8/8/05	Fri 8/12/05		
17		Pumping	149 days?	Mon 8/8/05	Tue 2/28/06		
18		Demobilization	5 days?	Thu 4/6/06	Wed 4/12/06		
19		McClean (Volvo Race)	23 days?	Mon 3/6/06	Wed 4/5/06		
20	✓	Mobilization	5 days?	Mon 8/8/05	Fri 8/12/05		
21		Pumping	175 days?	Mon 8/8/05	Wed 4/5/06		
22		Demobilization	5 days?	Thu 4/6/06	Wed 4/12/06		
23							
24	✓ 	Great Lakes (South Locust Point)	46 days	Mon 10/3/05	Mon 12/5/05		
25	✓ 	Mobilization	7 days?	Mon 10/3/05	Tue 10/11/05		
26	✓ 	Pumping	22 days?	Fri 11/4/05	Mon 12/5/05		
27							
28	✓	GLDD/ Weeks Marine Dredging-MPA-ACOE	52 days?	Wed 12/7/05	Tue 2/14/06		
29	✓ 	Pumping	46 days?	Wed 12/7/05	Mon 2/6/06		
30	✓	Demobilization	6 days?	Tue 2/7/06	Tue 2/14/06		
31							
32		Langenfelder Marine	37 days?	Tue 2/7/06	Wed 3/29/06		
33	✓	Mobilization	3 days?	Tue 2/7/06	Thu 2/9/06		
34		Pumping	30 days?	Thu 2/9/06	Wed 3/22/06		
35		Demobilization	5 days?	Thu 3/23/06	Wed 3/29/06		
36							
37		Cross dike extension/raising	73 days?	Thu 1/19/06	Mon 5/1/06		
38		Stockpile & recovery of materias	73 days?	Thu 1/19/06	Mon 5/1/06		
39		Hauling and placing material	73 days?	Thu 1/19/06	Mon 5/1/06		

**Project Status Report Form**

**Prepared by  
Harbor Development**

**Project Name:**

**MPA Project Manager:**

**Poplar Island Expansion Feasibility Study  
(This project is included under MES Open  
Ended Consulting EPATS)**

**Nathaniel K. Brown**

**Assignee (s) Consultants/Contractors):**

**Contract Period:**

**Maryland Environmental Service**

**08/01/03-06/30/06**

**Budget Line #**

**PIN #**

**Contract #**

**Task #, Name:**

**1085**

**54000010**

**500912**

**Task #44, Poplar Island  
Expansion Feasibility Study**

**Project Budget (Total):**

**Revisions: Revision #:**

**\$117,752**

**Task Balance:**

**\$16,312**

**% Complete-Work (Total):**

**% Expended (Total):**

**98%**

**86.15%**

**% Complete (Crnt. FY)    % Var./Balance  
(Crnt. FY):**

**% Expended    % Var./Balance  
(Crnt. FY)**

**96%**

**4%**

**24.66%**

**73.34%**

**Project Goal(s):**

- To consider alternatives to expand the existing dredged material capacity at the existing Poplar Island Environmental Restoration Project, as well as other environmental and recreational improvements.

**Project Objectives:**

- This study will take into account modifications to the existing Poplar Island Environmental Restoration Project. Potential modifications could include: raising the existing dikes around the upland cells, constructing an expansion of the project footprint, environmental enhancements on the island and within Poplar Harbor, increased recreational opportunities, redefining criteria for placement of dredged materials at Poplar Island.

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** Poplar Island Expansion Feasibility Study  
**Task #, Name:** #44, Poplar Island Expansion Feasibility Study

**Project Status – Issues/Solutions (both required):**

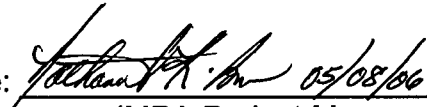
- MES submitted a monthly status report to MPA on February 15<sup>th</sup>.
- MES submitted a monthly status report to MPA on March 14<sup>th</sup>.
- MES consulted with MPA on whether or not to close EPATS Task 44. MPA decided to keep this task open at least through the end of FY06.

**Future Work Anticipated in March 06:**

- MES will submit a monthly status report in mid-April.

**Subtask 44.2 Poplar Island Expansion Feasibility Project Management Planning Support (EA/GBA):**

- There is no further activity to report for EA.

Signature/Date:  05/08/06  
(MPA Project Manager)

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** **MPA Project Manager:**  
**Environmental Compliance Audit Checklist** **Nathaniel K. Brown**  
**Assignee (s) Consultants/Contractors):** **Contract Period Relevant to this**  
**Blasland, Bouck & Lee, Inc.** **EPATS Task:**  
**11/15/05-12/31/06**

<b>Budget Line #</b>	<b>PIN #</b>	<b>Contract #</b>	<b>Task #, Name:</b>
1170	54130010	502820D	<b>Task #3, Environmental Compliance Audit Checklist</b>

**Project Budget (Total):** **Revisions: Revision #:**  
\$152,039

**Task Balance:**  
\$56,128

**% Complete-Work (Total):** **% Expended (Total):**  
63% 63.08%

<b>% Complete (Crnt. FY)</b>	<b>% Var./Balance (Crnt. FY)</b>	<b>% Expended (Crnt. FY)</b>	<b>% Var./Balance</b>
63%	37%	63.94%	36.06%

**Project Goal(s):**

The Environmental Audit Checklist will be specific to operations owned by or under the direct responsibility of the MPA. The Environmental Audit Checklist will address federal, state, and local environmental laws and regulations that its facilities are required to comply with during the normal course of its business activities. The Environmental Audit Checklist will be used by trained auditors to conduct environmental audits of MPA facilities and prepare an Environmental Audit Report and Action Plan for each facility.

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Objectives:**

To perform task management and attend meetings, perform site visits and document review, examine applicable regulations summary and long-term environmental audit policy, develop Environmental Audit Checklist, develop Environmental Audit Report, Hazardous Waste Reporting, and provide technical support.

**Project Status – Issues/Solutions (both required):**

- General technical support and management;
- Gathered MDE Hazardous Waste reporting documentation and started developing a memo.
- Reviewed federal, state, and local environmental laws and regulations applicable to MPA operations, and prepared a summary "Regulations" table and memo for MPA use;
- Reviewed guiding principles documentation and provided comments to the committee;
- Prepared Meeting Minutes for Environmental Compliance Meeting;
- Reviewed MES SOW for Stormwater Pollution Plan and developed solutions to accelerate the process; and
- Finalize the Environmental Checklist for Tenant operated facilities.

**Meetings Attended**

- MDE Hazardous Waste Reporting Meeting at MPA on February 10, 2006.
- Attended by Walter Dinicola, Mark Reemts and Randi Wexler (by phone);
- Environmental Compliance Meeting at MPA on February 22, 2006.  
Attended by Ram Mohan and Walter Dinicola; and
- MDOT meeting with EPA on expectations of EMS program for MDOT.
- Attended by Ram Mohan and Walter Dinicola.

Signature/Date:

  
(MPA Project Manager)

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** **MPA Project Manager:**

**Poplar Island General Reevaluation Report** **Nathaniel K. Brown**

**Assignee (s) Consultants/Contractors):** **Contract Period:**

**Moffatt & Nichols (M&N)**

**02/15/05-12/31/06**

<b>Budget Line #</b>	<b>PIN #</b>	<b>Contract #</b>	<b>Task #, Name:</b>
1165	54120010	502820C	Task #7, Poplar Island General Reevaluation Report

**Project Budget (Total):**

**Revisions: Revision #:**

**\$249,698**

**Task Balance:**

**\$180,325**

**% Complete-Work (Total):**

**% Expended (Total):**

**30%**

**27.78%**

**% Complete (Crnt. FY) % Var./Balance  
(Crnt. FY):**

**% Expended  
(Crnt. FY)**

**% Var./Balance**

**30%**

**70%**

**51.62%**

**48.38%**

**Project Goal(s):**

- Preparation of a General Reevaluation Review (GRR) for the expansion of Poplar Island to obtain funding authorization through a Water Resources Development Act (WRDA).

**Project Objectives:**

- Review the GRR as regards concepts, alternatives, alignments, and analyses for the Poplar Island Expansion (PIE) currently being performed by CENAB, focusing on dike sections, coastal protection, and impacts on tidal hydrodynamics, sedimentation, morphological change, wave refraction/diffraction and wave energy distribution. Provide input that will be used to develop plans for placement of dredged material within the expansion area and creation of tidal wetlands. Perform hydrodynamic, salinity, residence time, and sedimentation modeling to evaluate impacts of project on surrounding environment. The results of all the modeling studies will be presented in a Hydrodynamic Numerical Modeling Report. Using

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

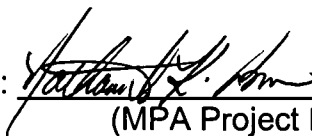
the model, evaluate morphological changes in the vicinity of the project and assess the potential for long-term accumulation of sediments in the area. Model and evaluate wave refraction/diffraction and wave energy distribution differences for existing and with-project conditions. The results of all the modeling studies will be presented in a Hydrodynamic Numerical Modeling Report. Pertinent findings from the hydrodynamic, salinity, residence time, and sedimentation modeling will be incorporated in the GRR.

**Project Name:** Poplar Island General Reevaluation Report  
**Task #, Name:** #7, Poplar Island General Reevaluation Report

**Project Status – Issues/Solutions (both required):**

- Continued review of final GRR received from CENAB. Worked on preparing report for the Value Engineering (VE) phase to be conducted in 2006. Continued work on coastal and numerical modeling studies to evaluate expansion plan and MPA design.

Signature/Date:

 05/08/06  
(MPA Project Manager)



**Project Status Report Form**

**Prepared by**  
**Harbor Development**

**Project Name:**  
**Integrated Feasibility and EIS**  
**Documentation**

This project is included under IGA –Mid Bay  
Island Study (MES)

**MPA Project Manager:**

**Nathaniel K. Brown**

**Assignee (s) Consultants/Contractors):**

**Maryland Environmental Service**

**Contract Period Relevant to this**  
**EPATS Task:**

**07/01/04 – 06/30/06**

**Budget Line #**

**PIN #**

**Contract #**

**Task #, Name:**

**1040**

**52280020**

**504804**

**#8, Integrated Feasibility and**  
**EIS Documentation**

**Project Budget (Total):**  
**\$436,517**

**Revisions:      Revision #:**

**Task Balance:**

**\$294,857**

**% Complete-Work (Total):**  
**78%**

**% Expended (Total):**

**32.45%**

**% Complete (Crnt.**  
**FY)**

**% Var./Balance (Crnt.**  
**FY):**

**% Expended**  
**(Crnt. FY)**

**% Var./Balance**

**78%**

**22%**

**6.17%**

**93.83%**

**Project Goal(s):**

This study will focus on restoring hundreds of acres of aquatic and terrestrial habitat for fish, shellfish, reptiles, amphibians, birds and mammals and will include concepts consisting of wetland and upland components.

**Project Objectives:**

- Project documentation will be in the form of an Integrated Feasibility and Environmental Impact Statement (EIS).
- MES will provide technical coordination and integration services for regulatory compliance relative to the provisions of the federal water pollution control act (FWPCA) and National Environmental Policy Act (NEPA).
- Contract management services and planning and coordination services will be provided.

- Presentation development services will be provided.
- Writing, assembly and production of draft and final environmental documentation for the Mid Bay Islands Integrated Feasibility and Environmental Impact Statement will be provided.

**Project Status – Issues/Solutions (both required):**

- MES coordinated with the Corps on needed revisions to the EIS and to determine the latest schedule for the document to go to out to the public.
- MES worked on revising the distribution list for the Mid-Bay EIS.

**Future Work Anticipated in April:**

- MES will assist as needed with revising any text of the EIS as requested by the Corps.
- MES will continue to refine the database in Access for the ultimate distribution of the EIS to the public.
- MES will coordinate with the Corps to determine details for the printing the latest version of the EIS.

Signature/Date: *Richard H. Pinn* *05/08/06*  
(MPA Project Manager)

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** **MPA Project Manager:**

**Poplar Island GRR Evaluation** **Nathaniel K. Brown**

**Assignee (s) Consultants/Contractors):** **Contract Period:**

**EA Engineering & Science Assocs.** **02/15/05- 12/31/06**

<b>Budget Line #</b>	<b>PIN #</b>	<b>Contract #</b>	<b>Task #, Name:</b>
1160	54100010	502820B	Task #7, Poplar Island GRR Evaluation

**Project Budget (Total):** **Revisions: Revision #:**

**\$33,501**

**Task Balance:**

**\$30,823**

**% Complete-Work (Total):** **% Expended (Total):**

**30%** **7.99%**

<b>% Complete (Crnt. FY)</b>	<b>% Var./Balance (Crnt. FY):</b>	<b>% Expended (Crnt. FY)</b>	<b>% Var./Balance</b>
15%	85%	4.57%	95.43%

**Project Goal(s):**

- To consider alternatives to expand the existing dredged material capacity at the existing Poplar Island Environmental Restoration Project, as well as other environmental and recreational improvements.

**Project Objectives:**

- This study will take into account modifications to the existing Poplar Island Environmental Restoration Project. Potential modifications could include: raising the existing dikes around the upland cells, constructing an expansion of the project footprint, environmental enhancements on the island and within Poplar Harbor, increased recreational opportunities, redefining criteria for placement of dredged materials at Poplar Island.

**Project Status Report Form**

**Prepared by**

**Harbor Development**

**Project Name: Poplar Island GRR Evaluation**

**Task #, Name: #7, Poplar Island GRR Evaluation**

**Project Status – Issues/Solutions (both required):**

- No activity this period.

Signature/Date:

 05/06/06  
(MPA Project Manager)

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** IGA – Mid Bay Island Study (James Island)  
**Task #, Name:** #3 – Env. Field Studies & Cons. Env. Report (James Island)

**Project Name:** IGA – Mid Bay Island Study (James Island)  
**MPA Project Manager:** Nathaniel K. Brown  
**Assignee (s) Consultants/Contractors):** Maryland Environmental Service  
**Contract Period Relevant to this EPATS Task:** 11/01/02-06/30/06

Budget Line #	PIN #	Contract #	Task #, Name:
1040	52280020	504804	#3, Env. Field Studies & Cons. Env. Rep. (James Island)

**Project Budget (Total):** \$335,931  
**Revisions:**      **Revision #:**

**Task Balance:**

\$46,435

**% Complete-Work (Total):**

100%

**% Expended (Total):**

86.18%

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):
100%	0%

% Expended (Crnt. FY)	% Var./Balance
19.31%	80.69%

**Project Goal(s):**

- To develop environmental conditions and consolidated report documentation supportive of third and fourth quarter environmental work of a feasibility level study for proposed James Island Restoration project.

**Project Objectives:**

- Perform the third and fourth quarters of a feasibility level environmental conditions study for a proposed island restoration project at James Island, including production of a consolidated report on four seasonal quarters of data.

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** IGA – Mid Bay Island Study (James Island)

**Task #, Name:** #3 – Env. Field Studies & Cons. Env. Report (James Island)

**Project Status – Issues/Solutions (both required):**

**Environmental Field Studies and Consolidated Environmental Report (MES, Harms, BBL, AMA)**

**Subtasks 3.1 – 3.8 (James Island):**

*Subtask 3.1 - Task Planning, Technical, Environmental and Administrative Services (MES)*

- No activity during this period.

**Future Work Anticipated in February:**

- A portion of the funds remaining in this task has been earmarked for use towards a possible site visit to James and/or Barren Island in or around June.

*Subtasks 3.2-3.7 Subcontracted Services for Feasibility-Level Environmental Conditions Studies for a Potential Island Restoration Project at James Island – Third and Fourth Seasons of Sampling (Harms)*

- Task is completed. No further activity to report.

*Subtask 3.8 Subcontracted Services for Pop Netting at James Island (AMA)*

- Task is completed. No further activity to report.

Signature/Date:  05/18/06  
(MPA Project Manager)

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** **MPA Project Manager:**

**Poplar Island GRR Evaluation** **Nathaniel K. Brown**

**Assignee (s) Consultants/Contractors):** **Contract Period:**

**Gahagan and Bryant Associates** **02/15/05- 12/31/06**

<b>Budget Line #</b>	<b>PIN #</b>	<b>Contract #</b>	<b>Task #, Name:</b>
1155	54100010	502820A1	Task #7, Poplar Island GRR Evaluation

**Project Budget (Total):** **Revisions:** **Revision #:**

**\$261,951**

**Task Balance:**

**\$161,010**

**% Complete-Work (Total):** **% Expended (Total):**

**35%** **38.53%**

<b>% Complete (Crnt. FY)</b>	<b>% Var./Balance (Crnt. FY):</b>	<b>% Expended (Crnt. FY)</b>	<b>% Var./Balance</b>
40%	60%	53.10%	46.90%

**Project Goal(s):**

- To consider alternatives to expand the existing dredged material capacity at the existing Poplar Island Environmental Restoration Project, as well as other environmental and recreational improvements.

**Project Objectives:**

- This study will take into account modifications to the existing Poplar Island Environmental Restoration Project. Potential modifications could include: raising the existing dikes around the upland cells, constructing an expansion of the project footprint, environmental enhancements on the island and within Poplar Harbor, increased recreational opportunities, redefining criteria for placement of dredged materials at Poplar Island.

**Project Status Report Form**

**Prepared by**

**Harbor Development**

**Project Name: Poplar Island GRR Evaluation**

**Task #, Name: #7, Poplar Island GRR Evaluation**

**Project Status – Issues/Solutions (both required):**

- GBA edited the PIE White Paper based on further internal comments. GBA worked on clarifying wetland development cost estimates for the PIE White Paper. GBA also began to evaluate the potential differences in shutdown times due to waves at the unloader between the GRR Recommended Plan and Maryland's Plan.

Signature/Date: Anthony L. Horn 05/08/06  
(MPA Project Manager)



**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** DMCF Water Quality Evaluation  
**Task #, Name:** #61, DMCF Water Quality Evaluation

**Project Name:** **MPA Project Manager:**  
**DMCF Water Quality Evaluation** **Nathaniel K. Brown**  
**Assignee (s) Consultants/Contractors):** **Contract Period:**  
**Maryland Environmental Service** **08/01/05-12/31/06**

Budget Line #	PIN #	Contract #	Task #, Name:
1085	54000010	500912	#61- DMCF Water Quality Evaluation

**Project Budget (Total):** **Revisions: Revision #:**  
\$130,608

**Task Balance:**  
\$122,726

% Complete-Work (Total):	% Expended (Total):
25%	6.03%

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
35%	65%	13.09%	86.91%

**Project Goal(s):**

- To conduct water quality studies at HMI, Cox Creek and PIERP to meet compliance with discharge permits and MDE guidance.

**Project Objectives:**

- To conduct a mixing zone study at HMI to meet the requirements of the discharge permit.
- To draft a report on metals toxicity analysis at PIERP to address MDE concerns.
- To provide technical support to MES in developing ideas and identifying opportunities for nutrient reduction projects, if requested. This will include quantifying the amount of nutrients reduction for each project and assistance with writing the plan.

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** DMCF Water Quality Evaluation  
**Task #, Name:** #61, DMCF Water Quality Evaluation

**Project Status – Issues/Solutions (both required):**

**Issues**

- MDE's response to the initial nutrient reduction plan was unfavorable for the use of existing MPA funded projects (i.e. oyster restoration funding) for mitigation. MDE requested that the MPA create a more detailed plan, quantify the amount of nutrient reduction, and assist with the funding of additional nutrient reduction projects.

**Solutions**

- MPA and MES determined that contingent Task 61.2.5 "Nutrient Reduction Plan (NRP) Assistance" would be made a non-contingent task so that EA could assist with the development of a revised nutrient reduction plan.

**MES Activities:**

- Performed contractor oversight and management.
- Prepared February progress report for MPA.
- Coordinated with EA on additional information sources to develop NRP project list.

**Contractor (EA) Activities:**

- Prepared invoice and status report.
- Continued talks with Baltimore County and the Patapsco Back River Tributary Team to develop a list of NRP projects.

**Future Activities:**

- MES will continue subcontractor oversight and management, including report review, subcontractor management and invoice payment and schedule oversight.
- MES will set up a follow-up meeting with MPA to review possible projects for the revised HMI NRP.
- EA will develop the metals toxicity narrative for PIERP.

Signature/Date: *Richard L. Em* 05/08/06  
(MPA Project Manager)

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** Hart-Miller Island North Cell Closure Support  
**Task #, Name:** #60, Hart-Miller Island North Cell Closure Support

**Project Name:** **MPA Project Manager:**

Hart-Miller Island North Cell Closure Support      Nathaniel K. Brown

**Assignee (s) Consultants/Contractors):** **Contract Period:**

Maryland Environmental Service      07/01/05-06/30/06

Budget Line #	PIN #	Contract #	Task #, Name:
1085	54000010	500912	#60, Hart-Miller Island North Cell Closure Support

**Project Budget (Total):** **Revisions:    Revision #:**

\$269,867

**Task Balance:**

\$160,205

**% Complete-Work (Total):** **% Expended (Total):**

97%      40.64%

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
97%	3%	78.33%	21.67%

**Project Goal(s):**

- To develop a closure plan for the North Cell of HMI that would move into pre-feasibility studies in early 2006.

**Project Objectives:**

- To identify and assess existing and potential environmental conditions that may affect development of a closure scenario for the North Cell at HMI.
- To identify and assess dredged material placement strategies at HMI that may affect effective and efficient placement of dredged materials and other supplemental materials in the North Cell at HMI.

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** Hart-Miller Island North Cell Closure Support

**Task #, Name:** #60, Hart-Miller Island North Cell Closure Support

- Identify and quantify contaminant transport via pathways of runoff and leachate using the results of ongoing studies at HMI.
- Identify and assess the suitable solutions for the management and control of acid forming conditions.

**Project Status – Issues/Solutions (both required):**

**Issues**

- Contract term expiration at the end of February 2006.

**Solutions**

- A contract extension through June 30, 2006 was approved by MPA to complete subcontractor billing on the task.

**MES Activities:**

- A memo requesting recommendations for the Vegetation Test Plots was sent to DNR on March 2<sup>nd</sup>.
- Coordinated with DNR and Audubon regarding preferred birding and passive recreation habitat.
- Distributed final summary for the January 17<sup>th</sup> Working Group meeting on March 2<sup>nd</sup>.
- Distributed draft summary for the January 26<sup>th</sup> Closure Team conference call on March 2<sup>nd</sup>.
- Distributed final action items for the February 21<sup>st</sup> Closure Team meeting on March 7<sup>th</sup>.
- Coordinated follow-up on action items from the February 21<sup>st</sup> Closure Team meeting.
- Coordinated and prepared materials for the NC Closure presentation at the DMMP meeting on March 15<sup>th</sup> held at MPA.
- Distributed final summary for the January 26<sup>th</sup> Closure Team conference call on March 21<sup>st</sup>.
- Coordinated and prepared materials for the HMI-COC meeting on March 21<sup>st</sup> held at MPA.
- Distributed draft summary for the February 21<sup>st</sup> Closure Team meeting on March 21<sup>st</sup>.
- Prepared a status report for the month of February on March 15<sup>th</sup>.

**Contractor (M&N / OAS) Activities:**

- Distributed "Closure Option Presentation" presentation to MES for distribution to the NCCT Working Group and HMI-COC.
- Participated in a meeting with GBA on March 16<sup>th</sup> to coordinate the technical scopes of work with MN & GBA and to develop an integrated schedule of tasks for the pre-feasibility design study.

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** Hart-Miller Island North Cell Closure Support

**Task #, Name:** #60, Hart-Miller Island North Cell Closure Support

- Edited the "Closure Option Presentation" and presented it at the March 15<sup>th</sup> DMMP meeting and participated in March 21<sup>st</sup> HMI-COC meeting.
- Reviewed preferred birding and passive recreation habitat recommendations and began incorporating them into the closure options study paper.
- Coordinated data exchange amongst team members and prepared a status report for the month of February on March 6<sup>th</sup>.

**Future Activities:**

- M&N/OAS will participate in conference calls and meetings as required.
- MES will submit final summary for the February 21<sup>st</sup> Closure Team meeting.
- MES will distribute DNR's recommendation for the vegetation test plots to the Closure Team.
- MES will submit a progress report for the month of March on April 14<sup>th</sup>.

Signature/Date:

Anthony L. Pinn 05/08/06  
(MPA Project Manager)

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** Port of Baltimore Air Emissions reg. Compliance  
Technical Support

**Task #, Name:** #57 Port of Baltimore Air Emissions reg. Compliance  
Technical Support

**Project Name:**

**MPA Project Manager:**

**Port of Baltimore Air Emissions Reg.**  
**Compl. Tech Support**

(This project is included under MES Open Ended  
Consulting EPATS)

**Nathaniel K. Brown**

**Assignee (s) Consultants/Contractors):**

**Contract Period:**

**Maryland Environmental Service/Edwards  
& Kelcey (E & K)**

**07/01/05-06/30/07**

<b>Budget Line #</b>	<b>PIN #</b>	<b>Contract #</b>
1085	54000010	500912

**Task #, Name:**  
**#57, Port of Balto. Air Emissions**  
**Reg. Compl. Tech Support**

**Project Budget (Total):**

**Revisions:    Revision #:**

**\$437,132**

**Task Balance:**

**\$396,163**

**% Complete-Work (Total):**

**% Expended (Total):**

**9.38%**

**9.37%**

<b>% Complete (Crnt. FY)</b>	<b>% Var./Balance</b>
	<b>(Crnt. FY):</b>
9.38%	90.62%

<b>% Expended</b>	<b>% Var./Balance</b>
<b>(Crnt. FY)</b>	
34.14%	65.86%

**Project Goal(s):**

- To comply with air emissions requirements from Port activities, to assist the Port in decision-making regarding air quality issues and regulation on the Baltimore non-attainment area.
- To produce a report on objective and criteria for selecting and prioritizing emission reduction measures related to emissions from ship and MPA operations in the Port of Baltimore.

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name: Port of Baltimore Air Emissions reg. Compliance**  
**Technical Support**

**Task #, Name: #57 Port of Baltimore Air Emissions reg. Compliance**  
**Technical Support**

**Project Objectives:**

- To gather information on air emissions from Port activities.
- To investigate and identify possible targets for reductions in air emissions from Port activities.
- To produce reports that can be management tools in identifying objectives and criteria to reduce emissions from Port activities.

**Project Status – Issues/Solutions (both required):**

**MES Tasks:**

- MES performed project management and subcontractor oversight duties.
- MES received MDE comments to the Draft Final on March 1<sup>st</sup>.
- MES forwarded the MDE comments to EK on March 1<sup>st</sup>.
- MES corresponded with MPA and EK regarding the comment resolution and reproduction of the Phase III draft final version 2 report.
- On March 14<sup>th</sup>, MES submitted a status report to MPA.
- MES printed and delivered 1 hardcopy and 1 CD-ROM copy of the Revised Draft Final Phase III Report version 2 to MPA on March 28<sup>th</sup>.

**TA/E&K Tasks:**

- Maintained ongoing correspondence with MES concerning MDE comments to the Draft Final Phase III report.
- Received MDE comments to the Phase 3 Air Emissions Study Draft Final Report.
- Researched MDE comments as necessary and prepared a draft response to all comments.
- Submitted the draft response to these comments to MES on March 4<sup>th</sup> for review and distribution to MPA.
- Incorporated comments and delivered one electronic copy of the Revised Draft Final Phase III Version 2 report to MES on March 23<sup>rd</sup>.
- TA submitted a monthly status report to MES on March 3<sup>rd</sup>.

**Future Work for April/May 2006:**

- EK will research the idle reduction program of the Port Of Virginia, Hampton Roads terminal in response to MDE comment to the Draft Final Phase III report.
- MES will submit status report to MPA.

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name: Port of Baltimore Air Emissions reg. Compliance**  
**Technical Support**

**Task #, Name: #57 Port of Baltimore Air Emissions reg. Compliance**  
**Technical Support**

- EK will assist MPA with developing a presentation.

Signature/Date: *Matthew H. Jones 05/28/06*  
(MPA Project Manager)



**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** Cox Creek Permit Assistance  
**Task #, Name:** #52 – Cox Creek Permit Assistance

**Project Name:**  
**Cox Creek Permit Assistance**  
(This project is included under MES Open  
Ended Consulting EPATS)

**MPA Project Manager:**  
  
**Nathaniel K. Brown**

**Assignee (s) Consultants/Contractors:**  
  
**Maryland Environmental Service**

**Contract Period Relevant to this  
EPATS Task:**  
**10/21/04 - 12/31/05**

Budget Line #	PIN #	Contract #
1085	5400010	500912

**Task #, Name:**  
**#52, Cox Creek Permit  
Assistance**

**Project Budget (Total):**  
  
**\$58,077**

**Revisions:      Revision #:**

**Task Balance:**  
  
**\$46,117**

**% Complete-Work (Total):**  
  
**19%**

**% Expended (Total):**  
  
**20.59%**

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):
19%	81%

% Expended (Crnt. FY)	% Var./Balance
10.97%	89.03%

**Project Goal(s):**

Provide assistance with permit provisions addressed within the Cox Creek  
Discharge Permit, particularly Special Condition S – Groundwater study.

**Project Objectives:**

1. Develop a plan to verify that offsite groundwater conditions will not be impacted by the operations of a dredged material containment facility.
2. Develop a groundwater study plan;
3. Develop a groundwater water report;  
Based on the findings of the groundwater study plan, the groundwater report, and MDE feedback, perform groundwater monitoring and reporting

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** Cox Creek Permit Assistance

**Task #, Name:** #52 – Cox Creek Permit Assistance

**Project Status – Issues/Solutions (both required):**  
**Issues**

- During the month of March, MDE requested that the update of Groundwater Study Plan be submitted 12 months before permit renewal, rather than 6 months. The amendment to the plan was revised accordingly.
- MES drafted the March 2006 status report and submitted it to MPA.
- No outstanding issues at this time.

Signature/Date:  05/08/06  
(MPA Project Manager)

**Project Status Report Form**  
*Prepared by*  
**Harbor Development**

**Project Name:**  
**Characterization of Sediments, New Work  
Projects – Inner Harbor**  
(This project is included under MES Open  
Ended Consulting EPATS), Task #45

**MPA Project Manager:**  
  
**Nathaniel K. Brown**

**Assignee (s) Consultants/Contractors):**  
  
**Maryland Environmental Service**

**Contract Period Relevant to this  
EPATS Task:**  
**01/01/04-03/31/06**

<b>Budget Line #</b>	<b>PIN #</b>	<b>Contract #</b>
1085	54000010	500912

**Task #, Name:**  
  
**#45, Character. Of Sediments,  
New Work Projects- Inner  
Harbor**

**Project Budget (Total):**  
  
**\$679,228**

**Revisions:      Revision #:**

**Task Balance:**  
  
**\$75,032**

**% Complete-Work (Total):**  
  
**96%**

**% Expended (Total):**  
  
**88.95%**

<b>% Complete (Crnt. FY)</b>	<b>% Var./Balance (Crnt. FY):</b>
96%	4%

<b>% Expended (Crnt. FY)</b>	<b>% Var./Balance</b>
91.92%	8.08%

**Project Goal(s):**  
Characterize the harbor sediments in the Dundalk Marine Terminal (DMT),  
Seagirt, and Masonville Terminal New Work Areas. This characterization will  
identify the physical, chemical and cap related test properties to identify the  
quality of the sediments. These results from this characterization will be  
evaluated to determine appropriate placement options.

**Project Status Report Form**

*Prepared by*

**Harbor Development**

**Project Name:** Characterization of Sediments, New Work Projects – Inner Harbor

**Task #, Name:** #45, Character. of Sediments, New Work Projects- Inner Harbor

**Project Objectives:**

1. Develop a site safety and health plan, field sampling plan, and quality assurance project plan for this project;
  2. Mobilize a barge and sampling equipment in the Harbor to perform borings and obtain samples;
  3. Characterize the harbor sediments in the proposed new work dredging areas through test borings, sampling and analysis;
  4. Interpret the laboratory analyses to determine the quality of the chemical, physical and cap related test properties;
  5. Prepare a report that summarizes the finding to facilitate appropriate placement options of the dredged material.
- 

**Project Status- Issues/Solutions (both required):**

- EA has indicated that they will need a time extension for submission of the final sediment report.
- MPA has indicated that a time extension to finalize the report is approved. EA expects the final report to be available the end of May, if not sooner.

**MES Activities:**

- Completed the February progress report.
- Coordinated with EA on finalization of the sediment report.
- On 3/14/06, MPA informed MES that a decision has been made to forego the third party review of the potential sand sources at Seagirt because MPA has decided that they will not use sand from the area. Additionally, MPA has informed MES that there will be no need for additional borings to be collected in the Seagirt area as was originally suggested in lieu of a third party calculation review

**Contractor Activities:**

- There is no contractor billing for the March 2006 time period because EA has focused their efforts on other MPA projects (i.e. Masonville) during this time. EA has informed MES (and MES forwarded this information to MPA) that the finalization of the Seagirt sediment report will be completed by the end of May.

**Future Activities:**

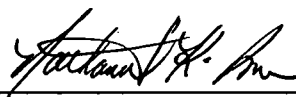
- MES will submit the sediment report to the MPA

**Project Status Report Form**

***Prepared by***

**Harbor Development**

- Given MPA's recent guidance regarding the use of the Seagirt material, all work on this project will be finished upon receipt by MPA of an approved final report.

Signature/Date:  05/08/06  
(MPA Project Manager)

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** HMI 23rd Year Monitoring Contract

**Task #, Name:** HMI 23rd Year Monitoring Contract

**Project Name:** MPA Project Manager:

**23rd Year Monitoring Contract**

**Nathaniel K. Brown**

**Assignee (s) Consultants/Contractors):**

**Contract Period:**

**Maryland Dept. of the Environment**

**7/01/04-12/31/06**

**Budget Line #      PIN #      Contract #**

**710**

**50030020**

**293644**

**Task #, Name:**

**23rd Year Monitoring Contract,  
(MDE)**

**Project Budget (Total):**

**Revisions:      Revision #:**

**\$321,944**

**Task Balance:**

**\$60,935**

**% Complete-Work (Total):**

**% Expended (Total):**

**85%**

**81.07%**

**% Complete (Crnt. FY)      % Var./Balance  
(Crnt. FY):**

**% Expended  
(Crnt. FY)**

**% Var./Balance**

**85%**

**15%**

**98.41%**

**1.59%**

**Project Goal(s):**

- Perform exterior monitoring of benthic and sedimentary environments around the HMI DMCF to quality of discharged water released from the facility.

**Project Objectives:**

- Track and document project related monitoring activities of Principal Investigators (PIs) and forward updated reports on these activities to MPA for review, approval and justification for funding release by MPA to support monitoring activities.


**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** HMI 23rd Year Monitoring Contract  
**Task #, Name:** HMI 23rd Year Monitoring Contract

**Project Status – Issues/Solutions (both required):**

- Draft Year 23 reports have been submitted to both MPA and the citizens.
- Principal Investigators are scheduled to attend the May 16<sup>th</sup> COC meeting.

Signature/Date:

 05/12/06  
(MPA Project Manager)

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** HMI 24th Year Monitoring Contract

**Task #, Name:** HMI 24th Year Monitoring Contract

**Project Name:** MPA Project Manager:

**24th Year Monitoring Contract** Nathaniel K. Brown

**Assignee (s) Consultants/Contractors):** **Contract Period:**

**Maryland Dept. of the Environment** 7/01/05-01/01/07

Budget Line #	PIN #	Contract #	Task #, Name:
715	50030020	293644	24th Year Monitoring Contract, (MDE)

**Project Budget (Total):** **Revisions:** **Revision #:**

\$286,559

**Task Balance:**

\$284,700

**% Complete-Work (Total):** **% Expended (Total):**

10% 0.65%

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
10%	90%	1.86%	98.14%

**Project Goal(s):**

- Perform exterior monitoring of benthic and sedimentary environments around the HMI DMCF to quality of discharged water released from the facility.

**Project Objectives:**

- Track and document project related monitoring activities of Principal Investigators (PIs) and forward updated reports on these activities to MPA for review, approval and justification for funding release by MPA to support monitoring activities.




**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** HMI 24th Year Monitoring Contract  
**Task #, Name:** HMI 24th Year Monitoring Contract

**Project Status – Issues/Solutions (both required):**

- Both field cruises have been completed.
- Samples processing has begun.

Signature/Date:  05/11/06  
(MPA Project Manager)

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** Interagency Agreement MDE/MPA Monitoring  
**Task #, Name:** #2, Baltimore Harbor TMDL Project

**Project Name:** **MPA Project Manager:**

**Interagency Agreement MDE/MPA Monitoring – Baltimore Harbor TMDL Project**  
**Nathaniel K. Brown**

**Assignee (s) Consultants/Contractors):** **Contract Period:**

**Maryland Dept. of the Environment** **01/31/03-06/30/05**

<b>Budget Line #</b>	<b>PIN #</b>	<b>Contract #</b>	<b>Task #, Name:</b>
1125	54010710	500910	#2, Baltimore Harbor TMDL Project

**Project Budget (Total):** **Revisions: Revision #:**

**\$664,000**

**Task Balance:**

**\$452,456**

**% Complete-Work (Total):** **% Expended (Total):**

**100%** **31.86%**

<b>% Complete (Crnt. FY)</b>	<b>% Var./Balance (Crnt. FY):</b>	<b>% Expended (Crnt. FY)</b>	<b>% Var./Balance</b>
100%	0%	86.51%	13.49%

**Project Goal(s):**

- To conduct water quality related computer modeling of Baltimore Harbor.

**Project Objectives:**

- To estimate non-point source loads, simulate fate of toxics in Baltimore Harbor – harbor models and provide detailed assessment (Upper Bay Model) – VIMS.

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** Interagency Agreement MDE/MPA Monitoring  
**Task #, Name:** #2, Baltimore Harbor TMDL Project

**Project Status – Issues/Solutions (both required):**

- Continued technical (modeling and load development) analysis for Harbor Nutrient TMDL.
- Continued development of Draft Harbor Nutrient TMDL document.
- Worked with principal investigators to manage the Toxicity Identification Study conducted by the University of Maryland Center for Environmental Studies.
- Conducted research on potential PCB sampling protocols that could be used to estimate PCB loadings from various point and non-point sources.
- Developed sampling plan that will utilize low detection limit PCB sampling methods to estimate loadings from point sources.

Signature/Date:

Nathaniel L. Poon 05/11/06  
(MPA Project Manager)

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** South Locust Point Entrance Channel Dredging  
**Task #, Name:** #54 South Locust Point Entrance Channel Dredging

**Project Name:**  
South Locust Point Entrance Channel  
Dredging

**MPA Project Manager:**  
Nathaniel K. Brown

**Assignee (s) Consultants/Contractors):**  
Maryland Environmental Service

**Contract Period Relevant to this  
EPATS Task:**  
02/21/05-12/31/05

Budget Line #	PIN #	Contract #
1085	54000010	500912

**Task #, Name:**  
#54 South Locust Point  
Entrance Channel Dredging

**Project Budget (Total):**  
\$415,590

**Revisions:    Revision #:**

**Task Balance:**  
\$180,337

**% Complete-Work (Total):**  
88%

**% Expended (Total):**  
56.61%

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):
81%	19%

% Expended (Crnt. FY)	% Var./Balance
19.47%	80.53%

**Project Goal(s):**

Provide geotechnical investigations, hydrographic surveys, channel design and engineering, preparation of bid documents, quality assurance quality control review of engineering deliverables and provide project management and oversight in support of South Locust Point (SLP) access channel design and dredging.

**Project Objectives:**

- Design the South Locust Point Access channel so that it accommodates the cruise industry;
- Perform multiple hydrographic surveys over the proposed areas;
- Characterize the sediments in the South Locust Point Access through test borings, sampling and analysis;

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** South Locust Point Entrance Channel Dredging

**Task #, Name:** #54 South Locust Point Entrance Channel Dredging

- Interpret the geotechnical data to determine physical properties;
- Prepare a channel design;
- Prepare a bid document for the procurement of a dredging contractor, in the event that the MPA chooses to procure a dredging contractor through MES.

**Project Status – Issues/Solutions (both required):**

During the month of March 2006, MES continued to provide project oversight on the SLP project.

- Dredging activities and unloading of the dredged material into Hart Miller Island were underway. Mobilization occurred at the end of October 2005 and dredging/inflow activities begin in early November 2005.
- Dredging/inflow activities were completed in late November/early December.
- After dredge survey was conducted in early December. Contractor performed additional dredging and leveling with a drag bar.
- Collection of the final data and a recommendation regarding the completion of the project has been submitted to MPA for review and approval.

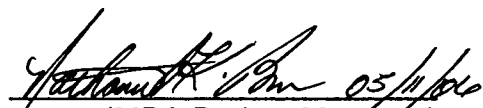
**Issue**

- Great Lakes Dock and Dredge has submitted a claim to MPA regarding the type of material dredged during the project. This claim has been turned over and is being handled by the AAG office. MPA has requested additional support from MES and its contractors concerning this claim.

**Solution**

- Additional work is anticipated in the near future for review and recommendation concerning this claim. GBA submitted proposals for additional work under contract with MES due to this claim. Proposals are under review by MES and MPA for approval.

Signature/Date:

  
(MPA Project Manager)

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:**

**MPA Project Manager:**

**Poplar Island Expansion Feasibility Study**  
**(This project is included under MES Open**  
**Ended Consulting EPATS)**

**Nathaniel K. Brown**

**Assignee (s) Consultants/Contractors):**

**Contract Period:**

**Maryland Environmental Service**

**08/01/03-06/30/06**

**Budget Line #**

**PIN #**

**Contract #**

**Task #, Name:**

**1085**

**54000010**

**500912**

**Task #44, Poplar Island**  
**Expansion Feasibility Study**

**Project Budget (Total):**

**Revisions: Revision #:**

**\$117,752**

**Task Balance:**

**\$16,475**

**% Complete-Work (Total):**

**% Expended (Total):**

**98%**

**86.01%**

**% Complete (Crnt. FY)**

**% Var./Balance**  
**(Crnt. FY):**

**% Expended**  
**(Crnt. FY)**

**% Var./Balance**

**96%**

**4%**

**24.43%**

**75.57%**

**Project Goal(s):**

- To consider alternatives to expand the existing dredged material capacity at the existing Poplar Island Environmental Restoration Project, as well as other environmental and recreational improvements.

**Project Objectives:**

- This study will take into account modifications to the existing Poplar Island Environmental Restoration Project. Potential modifications could include: raising the existing dikes around the upland cells, constructing an expansion of the project footprint, environmental enhancements on the island and within Poplar Harbor, increased recreational opportunities, redefining criteria for placement of dredged materials at Poplar Island.

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** Poplar Island Expansion Feasibility Study  
**Task #, Name:** #44, Poplar Island Expansion Feasibility Study

**Project Status – Issues/Solutions (both required):**

- MES submitted a monthly status report to MPA on February 15<sup>th</sup>.

**Future Work Anticipated in February 06:**

- MES will submit a monthly status report in mid-March.

**Subtask 44.2 Poplar Island Expansion Feasibility Project Management  
Planning Support (EA/GBA):**

- There is no further activity to report for EA.

Signature/Date:

 03/31/06  
(MPA Project Manager)

**Project Status Report Form**  
*Prepared by*  
**Harbor Development**

**Project Name:**  
**Characterization of Sediments, New Work  
Projects – Inner Harbor**  
(This project is included under MES Open  
Ended Consulting EPATS), Task #45

**MPA Project Manager:**

**Nathaniel K. Brown**

**Assignee (s) Consultants/Contractors):**

**Maryland Environmental Service**

**Contract Period Relevant to this  
EPATS Task:**

**01/01/04-03/31/06**

**Budget Line #**

**PIN #**

**Contract #**

**Task #, Name:**

**1085**

**5400010**

**500912**

**#45, Character. Of Sediments,  
New Work Projects- Inner  
Harbor**

**Project Budget (Total):**

**\$679,228**

**Revisions:      Revision #:**

**Task Balance:**

**\$75,412**

**% Complete-Work (Total):**

**96%**

**% Expended (Total):**

**88.90%**

**% Complete (Crnt.  
FY)**

**96%**

**% Var./Balance (Crnt.  
FY):**

**4%**

**% Expended  
(Crnt. FY)**

**91.52%**

**% Var./Balance**

**8.48%**

**Project Goal(s):**

Characterize the harbor sediments in the Dundalk Marine Terminal (DMT),  
Seagirt, and Masonville Terminal New Work Areas. This characterization will  
identify the physical, chemical and cap related test properties to identify the  
quality of the sediments. These results from this characterization will be  
evaluated to determine appropriate placement options.



**Project Status Report Form**

*Prepared by*

**Harbor Development**

**Project Name:** Characterization of Sediments, New Work Projects – Inner Harbor

**Task #, Name:** #45, Character. of Sediments, New Work Projects- Inner Harbor

**Project Objectives:**

1. Develop a site safety and health plan, field sampling plan, and quality assurance project plan for this project;
2. Mobilize a barge and sampling equipment in the Harbor to perform borings and obtain samples;
3. Characterize the harbor sediments in the proposed new work dredging areas through test borings, sampling and analysis;
4. Interpret the laboratory analyses to determine the quality of the chemical, physical and cap related test properties;
5. Prepare a report that summarizes the finding to facilitate appropriate placement options of the dredged material.

**Project Status- Issues/Solutions (both required):**

**Issues:**

- MES continues to await feedback from MPA regarding the email memo submitted on July 6, 2005 regarding an independent third party calculation of the sand volume calculations.

**Solutions:**

- MES has suggested that the funds planned for third party QA/QC of the sand volume calculations be spent instead on collection of additional geotechnical information. With the impending completion of the Seagirt report, MPA may want to begin considering whether additional borings will be warranted since the contractual arrangements for a driller and consultant can be started now for work to commence as soon as winter is over. **(NOTE: on 03/14/06 MPA informed MES that a decision has been made to forego the third party review because MPA has decided that they will not be utilizing the possible sand at Seagirt. MES will assumes this also indicates that MPA is not interested in performing additional borings as was suggested in lieu of a third party review.)**

**MES Activities:**

- Completed the January progress report.
- Finalized remaining comments on draft report and re-submitted to EA on 02/28/06.

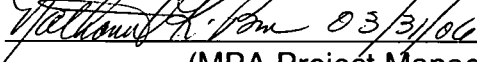
**Project Status Report Form**  
*Prepared by*  
**Harbor Development**

**Contractor Activities:**

- Coordinated with MES to make changes and clarifications to the draft Dundalk/Seagirt sediment report, leading to the report finalization.

**Future Activities:**

- MES will submit the final Dundalk/Seagirt report to MPA following EA's completion of the requested revisions.
- Given MPA's recent guidance regarding the use of the Seagirt material, all work on this project will be finished upon receipt by MPA of an approved final report.

Signature/Date:  03/31/06  
(MPA Project Manager)

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** Cox Creek Permit Assistance

**Task #, Name:** #52 – Cox Creek Permit Assistance

**Project Name:**

**Cox Creek Permit Assistance**

(This project is included under MES Open  
Ended Consulting EPATS)

**MPA Project Manager:**

**Nathaniel K. Brown**

**Assignee (s) Consultants/Contractors:**

**Maryland Environmental Service**

**Contract Period Relevant to this  
EPATS Task:**

**10/21/04 - 12/31/05**

**Budget Line #**

**PIN #**

**Contract #**

**1085**

**5400010**

**500912**

**Task #, Name:**

**#52, Cox Creek Permit  
Assistance**

**Project Budget (Total):**

**\$58,077**

**Revisions:      Revision #:**

**Task Balance:**

**\$46,709**

**% Complete-Work (Total):**

**20%**

**% Expended (Total):**

**19.57%**

**% Complete (Crnt. FY)**

**20%**

**% Var./Balance  
(Crnt. FY):**

**80%**

**% Expended  
(Crnt. FY)**

**9.95%**

**% Var./Balance**

**90.05%**

**Project Goal(s):**

Provide assistance with permit provisions addressed within the Cox Creek  
Discharge Permit, particularly Special Condition S – Groundwater study.

**Project Objectives:**

1. Develop a plan to verify that offsite groundwater conditions will not be impacted by the operations of a dredged material containment facility.
2. Develop a groundwater study plan;
3. Develop a groundwater water report;  
Based on the findings of the groundwater study plan, the groundwater report, and MDE feedback, perform groundwater monitoring and reporting

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** Cox Creek Permit Assistance

**Task #, Name:** #52 – Cox Creek Permit Assistance

**Project Status – Issues/Solutions (both required):**  
**Issues**

- During the month of February, MES followed up with MPA on the status of the Final version of the Cox Creek Dredged Material Containment Facility (DMCF) Groundwater Study Plan that MPA submitted to MDE. Ed Stone of MDE responded requesting info on sample results and the slurry wall permeability as well as an amendment to the plan on how projected results will be verify before permit renewal in 2009. MES drafted a response for MDE to the questions and submitted the amendment to MPA for review and submittal to MDE. MPA forwarded to MDE the amendment and responses to the questions.
- MES drafted the February 2006 status report and submitted it to MPA.

Signature/Date:

  
(MPA Project Manager)

**Project Status Report Form**  
*Prepared by*  
**Harbor Development**

**Project Name:**  
**South Locust Point Entrance Channel  
Dredging**

**MPA Project Manager:**  
**Nathaniel K. Brown**

**Assignee (s) Consultants/Contractors):**  
**Maryland Environmental Service**

**Contract Period Relevant to this  
EPATS Task:**  
**02/21/05-12/31/05**

<b>Budget Line #</b>	<b>PIN #</b>	<b>Contract #</b>
<b>1085</b>	<b>54000010</b>	<b>500912</b>

**Task #, Name:**  
**South Locust Point Entrance  
Channel Dredging, Task # 54**

**Project Budget (Total):**  
**\$415,590**

**Revisions:      Revision #:**

**Task Balance:**  
**\$181,110**

**% Complete-Work (Total):**  
**95%**

**% Expended (Total):**  
**56.42%**

<b>% Complete (Crnt. FY)</b>	<b>% Var./Balance (Crnt. FY):</b>
<b>95%</b>	<b>5%</b>

<b>% Expended (Crnt. FY)</b>	<b>% Var./Balance</b>
<b>19.06%</b>	<b>80.94%</b>

**Project Goal(s):**

Provide geotechnical investigations, hydrographic surveys, channel design and engineering, preparation of bid documents, quality assurance quality control review of engineering deliverables and provide project management and oversight in support of South Locust Point access channel design and dredging.

**Project Objectives:**

1. Design the South Locust Point Access channel so that it accommodates the cruise industry;

2. Perform multiple hydrographic surveys over the proposed areas;
3. Characterize the sediments in the South Locust Point Access through test borings, sampling and analysis;
4. Interpret the geotechnical data to determine physical properties;
5. Prepare a channel design;
6. Prepare a bid document for the procurement of a dredging contractor, in the event that the MPA chooses to procure a dredging contractor through MES.

---

**Project Status – Issues/Solutions (both required):**

- During the month of February 2006, MES continued to provide project oversight on the SLP project. MES processed a BBL invoice in the amount of \$3,381 worked performed during the month of January 2006.
- Dredging activities and unloading of the dredged material into Hart Miller Island were underway. Mobilization occurred at the end of October 2005 and dredging/inflow activities begin in early November 2005. Dredging/inflow activities were completed in late November/early December. After dredge survey was conducted in early December. Contractor performed additional dredging and leveling with a drag bar. Collection of the final data and a recommendation regarding the completion of the project has been submitted to MPA for review and approval.

**Issues**

- Great Lakes Dock and Dredge has submitted a claim to MPA regarding the type of material dredged during the project.

**Solutions**

- Additional work is anticipated in the near future for review and recommendation concerning this claim. GBA is working on submitting proposals for additional work under contract with MES due to this claim.

Signature/Date:

  
(MPA Project Manager)

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** Port of Baltimore Air Emissions reg. Compliance  
Technical Support

**Task #, Name:** #57 Port of Baltimore Air Emissions reg. Compliance  
Technical Support

**Project Name:**

**MPA Project Manager:**

**Port of Baltimore Air Emissions Reg.**  
**Compl. Tech Support**

(This project is included under MES Open Ended  
Consulting EPATS)

**Nathaniel K. Brown**

**Assignee (s) Consultants/Contractors):**

**Contract Period:**

**Maryland Environmental Service/Edwards**  
**& Kelcey (E & K)**

**07/01/05-06/30/07**

<b>Budget Line #</b>	<b>PIN #</b>	<b>Contract #</b>
1085	54000010	500912

**Task #, Name:**  
**#57, Port of Balto. Air Emissions**  
**Reg. Compl. Tech Support**

**Project Budget (Total):**

**Revisions:    Revision #:**

**\$437,132**

**Task Balance:**

**\$396,713**

**% Complete-Work (Total):**

**% Expended (Total):**

**10.19%**

**9.25%**

<b>% Complete (Crnt. FY)</b>	<b>% Var./Balance</b>
	<b>(Crnt. FY):</b>
10.19%	89.81%

<b>% Expended</b>	<b>% Var./Balance</b>
<b>(Crnt. FY)</b>	
33.68%	66.32%

**Project Goal(s):**

- To comply with air emissions requirements from Port activities, to assist the Port in decision-making regarding air quality issues and regulation on the Baltimore non-attainment area.
- To produce a report on objective and criteria for selecting and prioritizing emission reduction measures related to emissions from ship and MPA operations in the Port of Baltimore.

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name: Port of Baltimore Air Emissions reg. Compliance**  
**Technical Support**

**Task #, Name: #57 Port of Baltimore Air Emissions reg. Compliance**  
**Technical Support**

**Project Objectives:**

- To gather information on air emissions from Port activities.
- To investigate and identify possible targets for reductions in air emissions from Port activities.
- To produce reports that can be management tools in identifying objectives and criteria to reduce emissions from Port activities.

**Project Status – Issues/Solutions (both required):**

**MES Tasks:**

- MES performed project management and subcontractor oversight duties.
- MES printed and delivered 8 hardcopies and 8 CD-ROM copies of the Revised Draft Final Phase III Report to MPA on February 2<sup>nd</sup>.
- MES drafted a summary of the January 30<sup>th</sup> Idling Reduction Technology Workshop and submitted to the MPA on February 6<sup>th</sup>.
- MES submitted a status report to MPA on February 15<sup>th</sup>.
- On February 17<sup>th</sup> MPA informed MES that copies of the Draft Final Phase III report were sent to MDE for review.
- MES informed EK that the Draft Final Phase III report was under review by MDE on February 17<sup>th</sup>.

**TA/E&K Tasks:**

- EK delivered one hardcopy and one electronic copy of the Revised Draft Final Phase III report containing responses to MDOT questions to MES on February 1<sup>st</sup>.
- TA submitted a monthly status report to MES on February 9<sup>th</sup>.

**Future Work for March/April 2006:**

- MPA/MES will receive MDE comments made to the Draft Final Phase III report and forward to EK.
- EK will submit the draft responses to the MDE comments made to the Draft Final Phase III report to MES and MPA.
- EK will research the idle reduction program of the Port Of Virginia, Hampton Roads terminal in response to MDE comment to the Draft Final Phase III report.
- MES will submit status report to MPA.



**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name: Port of Baltimore Air Emissions reg. Compliance**  
**Technical Support**

**Task #, Name: #57 Port of Baltimore Air Emissions reg. Compliance**  
**Technical Support**

Signature/Date:

*Anthony L. Ann* 03/3/06  
(MPA Project Manager)

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** Hart-Miller Island North Cell Closure Support  
**Task #, Name:** #60, Hart-Miller Island North Cell Closure Support

**Project Name:** **MPA Project Manager:**

**Hart-Miller Island North Cell Closure Support** **Nathaniel K. Brown**

**Assignee (s) Consultants/Contractors):** **Contract Period:**

**Maryland Environmental Service** **07/01/05-06/30/06**

<b>Budget Line #</b>	<b>PIN #</b>	<b>Contract #</b>	<b>Task #, Name:</b>
1085	54000010	500912	#60, Hart-Miller Island North Cell Closure Support

**Project Budget (Total):** **Revisions: Revision #:**

**\$269,867**

**Task Balance:**

**\$205,583**

**% Complete-Work (Total):** **% Expended (Total):**

**85%**

**23.82%**

<b>% Complete (Crnt. FY)</b>	<b>% Var./Balance (Crnt. FY):</b>	<b>% Expended (Crnt. FY)</b>	<b>% Var./Balance</b>
85%	15%	64.29%	35.71%

**Project Goal(s):**

- To develop a closure plan for the North Cell of HMI that would move into pre-feasibility studies in early 2006.

**Project Objectives:**

- To identify and assess existing and potential environmental conditions that may affect development of a closure scenario for the North Cell at HMI.
- To identify and assess dredged material placement strategies at HMI that may affect effective and efficient placement of dredged materials and other supplemental materials in the North Cell at HMI.

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** Hart-Miller Island North Cell Closure Support

**Task #, Name:** #60, Hart-Miller Island North Cell Closure Support

- Identify and quantify contaminant transport via pathways of runoff and leachate using the results of ongoing studies at HMI.
- Identify and assess the suitable solutions for the management and control of acid forming conditions.

**Project Status – Issues/Solutions (both required):**

**Issues**

- Contract term expiration at the end of February 2006.

**Solutions**

- MES is drafting a contract extension to complete subcontractor billing on the task.

**MES Activities:**

- Distributed final summary for the December 8<sup>th</sup> Closure Team meeting on February 1<sup>st</sup>.
- Distributed final action items for the January 17<sup>th</sup> Working Group meeting on February 1<sup>st</sup>.
- Distributed cost matrix presentation to the NCCT Working Group and HMI-COC on February 7<sup>th</sup>.
- Distributed draft summary for the January 17<sup>th</sup> Working Group meeting on February 8<sup>th</sup>.
- Coordinated and prepared materials for the Closure Team meeting on February 21<sup>st</sup> held at MPA.
- Drafted the summary for the January 26<sup>th</sup> Closure Team conference call and February 21<sup>st</sup> Closure Team meeting.
- Distributed draft action items for the February 21<sup>st</sup> Closure Team meeting on February 22<sup>nd</sup>.
- Coordinated follow-up on action items from the February 21<sup>st</sup> Closure Team meeting.
- Prepared and distributed scopes of work for the Pre-Feasibility Study.
- Reviewed and negotiated with subcontractors on submitted proposals.
- MES drafted a Proposal for Pre-Feasibility Study.
- Prepared a status report for the month of January on February 15<sup>th</sup>.

**Contractor (M&N / OAS) Activities:**

- Distributed "Closure Option Presentation" power point presentation to MES for distribution to the NCCT Working Group and HMI-COC.
- Participated in the February 21<sup>st</sup> Closure Team meeting held at MPA.
- Coordinated data exchange amongst team members and prepared a status report for the month of January on February 3<sup>rd</sup>.

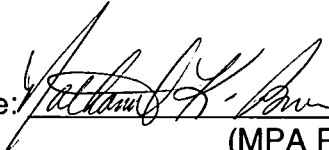
**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** Hart-Miller Island North Cell Closure Support

**Task #, Name:** #60, Hart-Miller Island North Cell Closure Support

**Future Activities:**

- M&N/OAS will participate in conference calls and meetings as required.
- M&N/OAS will participate in a schedule meeting with GBA on March 16<sup>th</sup>.
- M&N/OAS will edit and present the "Closure Option Presentation" to the DMMP on March 15<sup>th</sup>.
- MES will prepare materials for the March 15<sup>th</sup> DMMP meeting.
- MES will submit a final summary for the January 17<sup>th</sup> Working Group meeting.
- MES will submit draft and final summaries for the January 26<sup>th</sup> Closure Team meeting, conference call.
- MES will submit draft and final summaries and action items for the February 21<sup>st</sup> Closure Team meeting.
- MES will submit a progress report for the month of February on March 15<sup>th</sup>.
- MES will submit a Proposal to MPA for Pre-Feasibility Study.

Signature/Date:  03/31/06  
(MPA Project Manager)

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** DMCF Water Quality Evaluation  
**Task #, Name:** #61, DMCF Water Quality Evaluation

<b>Project Name:</b>	<b>MPA Project Manager:</b>
DMCF Water Quality Evaluation	Nathaniel K. Brown
<b>Assignee (s) Consultants/Contractors):</b>	<b>Contract Period:</b>
Maryland Environmental Service	08/01/05-12/31/06

<b>Budget Line #</b>	<b>PIN #</b>	<b>Contract #</b>	<b>Task #, Name:</b>
1085	54000010	500912	#61- DMCF Water Quality Evaluation

<b>Project Budget (Total):</b>	<b>Revisions:</b>	<b>Revision #:</b>
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\$130,608

**Task Balance:**

\$123,045

**% Complete-Work (Total):**

20%

**% Expended (Total):**

5.79%

<b>% Complete (Crnt. FY)</b>	<b>% Var./Balance (Crnt. FY):</b>
30%	70%

<b>% Expended (Crnt. FY)</b>	<b>% Var./Balance</b>
12.56%	87.44%

**Project Goal(s):**

- To conduct water quality studies at HMI, Cox Creek and PIERP to meet compliance with discharge permits and MDE guidance.

**Project Objectives:**

- To conduct a mixing zone study at HMI to meet the requirements of the discharge permit.
- To draft a report on metals toxicity analysis at PIERP to address MDE concerns.
- To provide technical support to MES in developing ideas and identifying opportunities for nutrient reduction projects, if requested. This will include quantifying the amount of nutrients reduction for each project and assistance with writing the plan.

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** DMCF Water Quality Evaluation  
**Task #, Name:** #61, DMCF Water Quality Evaluation

**Project Status – Issues/Solutions (both required):**

**Issues**

- MDE's response to the initial nutrient reduction plan was unfavorable for the use of existing MPA funded projects (i.e. oyster restoration funding) for mitigation. MDE requested that the MPA create a more detailed plan, quantify the amount of nutrient reduction, and assist with the funding of additional nutrient reduction projects.

**Solutions**

- MPA and MES determined that contingent Task 61.2.5 "Nutrient Reduction Plan (NRP) Assistance" would be made a non-contingent task so that EA could assist with the development of a revised nutrient reduction plan.

**MES Activities:**

- Performed contractor oversight and management.
- Prepared January progress report for MPA.
- Sent data to EA for use in the metal toxicity report.
- Drafted and distributed to MPA a meeting summary from the January 12<sup>th</sup> meeting.

**Contractor (EA) Activities:**

- Met with DNR Tributary Strategies Team to determine projects that could be used for HMI NRP.
- Developed memo re: above meeting and additional information requests.

**Future Activities:**

- MES will continue subcontractor oversight and management, including report review, subcontractor management and invoice payment and schedule oversight.
- MES will follow up with EA on additional tasks identified in the February 20<sup>th</sup> meeting.
- MES will set up a follow-up meeting with MPA to review possible projects for the revised HMI NRP.

Signature/Date:

 03/31/06  
(MPA Project Manager)

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** HMI 24th Year Monitoring Contract

**Task #, Name:** HMI 24th Year Monitoring Contract

**Project Name:** \_\_\_\_\_ **MPA Project Manager:**

**24th Year Monitoring Contract**

**Nathaniel K. Brown**

**Assignee (s) Consultants/Contractors):**

**Contract Period:**

**Maryland Dept. of the Environment**

**7/01/05-01/01/07**

**Budget Line #      PIN #      Contract #**

**715**

**50030020**

**293644**

**Task #, Name:**

**24th Year Monitoring Contract,  
(MDE)**

**Project Budget (Total):**

**Revisions:      Revision #:**

**\$286,559**

**Task Balance:**

**\$284,700**

**% Complete-Work (Total):**

**% Expended (Total):**

**5%**

**0.65%**

**% Complete (Crnt. FY)      % Var./Balance  
(Crnt. FY):**

**% Expended  
(Crnt. FY)**

**% Var./Balance**

**5%**

**95%**

**1.86%**

**98.14%**

**Project Goal(s):**

- Perform exterior monitoring of benthic and sedimentary environments around the HMI DMCF to quality of discharged water released from the facility.

**Project Objectives:**

- Track and document project related monitoring activities of Principal Investigators (PIs) and forward updated reports on these activities to MPA for review, approval and justification for funding release by MPA to support monitoring activities.

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** HMI 24th Year Monitoring Contract

**Task #, Name:** HMI 24th Year Monitoring Contract

**Project Status – Issues/Solutions (both required):**

- The first field cruises were completed on September 8<sup>th</sup> (MGS/CBL) and September 9<sup>th</sup> (MDE/CBL).
- Samples are being stored pending processing.
- The second sampling cruise has been scheduled for the first week in April 2006.

Signature/Date: *Richard K. Brown* 03/31/06  
(MPA Project Manager)



**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** HMI 23rd Year Monitoring Contract

**Task #, Name:** HMI 23rd Year Monitoring Contract

**Project Name:** \_\_\_\_\_ **MPA Project Manager:**

**23rd Year Monitoring Contract**

**Nathaniel K. Brown**

**Assignee (s) Consultants/Contractors):**

**Contract Period:**

**Maryland Dept. of the Environment**

**7/01/04-12/31/06**

<b>Budget Line #</b>	<b>PIN #</b>	<b>Contract #</b>	<b>Task #, Name:</b>
710	50030020	293644	23rd Year Monitoring Contract, (MDE)

**Project Budget (Total):**

**Revisions:    Revision #:**

**\$321,944**

**Task Balance:**

**\$60,935**

**% Complete-Work (Total):**

**% Expended (Total):**

**85%**

**81.07%**

**% Complete (Crnt. FY)    % Var./Balance  
(Crnt. FY):**

**% Expended    % Var./Balance  
(Crnt. FY)**

**85%**

**15%**

**98.41%**

**1.59%**

**Project Goal(s):**

- Perform exterior monitoring of benthic and sedimentary environments around the HMI DMCF to quality of discharged water released from the facility.

**Project Objectives:**

- Track and document project related monitoring activities of Principal Investigators (PIs) and forward updated reports on these activities to MPA for review, approval and justification for funding release by MPA to support monitoring activities.

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** HMI 23rd Year Monitoring Contract

**Task #, Name:** HMI 23rd Year Monitoring Contract

**Project Status – Issues/Solutions (both required):**

- Draft Year 23 reports are currently being developed in time for COC review prior to April 18th meeting.
- Both field samplings have been conducted. Draft reports are being finalized and internally reviewed.
- Billed out \$ for purchase orders with MGS and CBL. Invoice pending.

Signature/Date:

  
(MPA Project Manager)

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** IGA – Mid Bay Island Study (James Island)  
**Task #, Name:** #3 – Env. Field Studies & Cons. Env. Report (James Island)

**Project Name:** **MPA Project Manager:**

**IGA – Mid Bay Island Study (James Island)** **Nathaniel K. Brown**

**Assignee (s) Consultants/Contractors):** **Contract Period Relevant to this EPATS Task:**  
**Maryland Environmental Service** **11/01/02-06/30/06**

<b>Budget Line #</b>	<b>PIN #</b>	<b>Contract #</b>	<b>Task #, Name:</b>
1040	52280020	504804	<b>#3, Env. Field Studies &amp; Cons. Env. Rep. (James Island)</b>

**Project Budget (Total):** **Revisions: Revision #:**  
**\$335,931**

**Task Balance:**  
**\$46,435**

**% Complete-Work (Total):** **% Expended (Total):**  
**100%** **86.18%**

<b>% Complete (Crnt. FY)</b>	<b>% Var./Balance (Crnt. FY):</b>	<b>% Expended (Crnt. FY)</b>	<b>% Var./Balance</b>
100%	0%	19.31%	80.69%

**Project Goal(s):**

- To develop environmental conditions and consolidated report documentation supportive of third and fourth quarter environmental work of a feasibility level study for proposed James Island Restoration project.

**Project Objectives:**

- Perform the third and fourth quarters of a feasibility level environmental conditions study for a proposed island restoration project at James Island, including production of a consolidated report on four seasonal quarters of data.

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** IGA – Mid Bay Island Study (James Island)  
**Task #, Name:** #3 – Env. Field Studies & Cons. Env. Report (James Island)

**Project Status – Issues/Solutions (both required):**

**Environmental Field Studies and Consolidated Environmental Report (MES, Harms, BBL, AMA)**

**Subtasks 3.1 – 3.8 (James Island):**

*Subtask 3.1 - Task Planning, Technical, Environmental and Administrative Services (MES)*

- No activity during this period.

**Future Work Anticipated in February:**

- A portion of the funds remaining in this task has been earmarked for use towards a possible site visit to James and/or Barren Island in or around June.


*Subtasks 3.2-3.7 Subcontracted Services for Feasibility-Level Environmental Conditions Studies for a Potential Island Restoration Project at James Island – Third and Fourth Seasons of Sampling (Harms)*

- Task is completed. No further activity to report.

*Subtask 3.8 Subcontracted Services for Pop Netting at James Island (AMA)*

- Task is completed. No further activity to report.

Signature/Date:

 03/3/06  
(MPA Project Manager)

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** IGA – Mid Bay Island Study  
**Task #, Name:** #3, (0313) Barren Island Environmental

**Project Name:** **MPA Project Manager:**

**IGA – Mid Bay Island Study (Barren Island)** **Nathaniel K. Brown**

**Assignee (s) Consultants/Contractors):** **Contract Period Relevant to this**  
**Maryland Environmental Service** **EPATS Task:**  
**4/18/03-11/30/05**

<b>Budget Line #</b>	<b>PIN #</b>	<b>Contract #</b>	<b>Task #, Name:</b>
1040	52280020	504804	#3 (0313), Barren Island Environmental

**Project Budget (Total):** **Revisions: Revision #:**

**\$409,969**

**Task Balance:**

**\$0**

**% Complete-Work (Total):** **% Expended (Total):**

**100%** **100%**

<b>% Complete (Crnt. FY)</b>	<b>% Var./Balance (Crnt. FY):</b>	<b>% Expended (Crnt. FY)</b>	<b>% Var./Balance</b>
100%	0%	0.00%	100.00%

**Project Goal(s):**

- To conduct the feasibility level study of restoration of Barren Island; to perform environmental field studies and provide a consolidated environmental report on Barren Island.

**Project Objectives:**

- To determine the feasibility of placing dredged material to restore Barren Island; to perform environmental field studies and provide a consolidated environmental report on Barren Island.

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** IGA – Mid Bay Island Study  
**Task #, Name:** #3, (0313) Barren Island Environmental

**Project Status – Issues/Solutions (both required):**

**Subtasks 3.9 – 3.16 (Barren Island):**

*Subtask 3.9 Task Planning, Technical, Environmental and Administrative Services (MES)*

- Task is completed. No further activity to report.


*Subtask 3.10 – 3.15: Subcontracted Services for Feasibility-Level Environmental Conditions Studies for a Potential Island Restoration Project at Barren Island – Third and Fourth Seasons of Sampling (BBL)*

- Task is completed. No further activity to report.

*Subtask 3.16: Subcontracted Services for Pop Netting at Barren Island (AMA)*

- Task is completed. No further activity to report.

Signature/Date:

 03/31/06  
(MPA Project Manager)

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:**  
**Integrated Feasibility and EIS**  
**Documentation**

**MPA Project Manager:**

**Nathaniel K. Brown**

This project is included under IGA –Mid Bay  
Island Study (MES)

**Assignee (s) Consultants/Contractors):**

**Contract Period Relevant to this**  
**EPATS Task:**

**Maryland Environmental Service**

**07/01/04 – 06/30/06**

**Budget Line #**

**PIN #**

**Contract #**

**Task #, Name:**

**1040**

**52280020**

**504804**

**#8, Integrated Feasibility and**  
**EIS Documentation**

**Project Budget (Total):**  
**\$436,517**

**Revisions: Revision #:**

**Task Balance:**

**\$295,116**

**% Complete-Work (Total):**  
**75%**

**% Expended (Total):**

**32.39%**

**% Complete (Crnt.**  
**FY)**

**% Var./Balance (Crnt.**  
**FY):**

**% Expended**  
**(Crnt. FY)**

**% Var./Balance**

**25%**

**75%**

**6.09%**

**93.91%**

**Project Goal(s):**

This study will focus on restoring hundreds of acres of aquatic and terrestrial habitat for fish, shellfish, reptiles, amphibians, birds and mammals and will include concepts consisting of wetland and upland components.

**Project Objectives:**

- Project documentation will be in the form of an Integrated Feasibility and Environmental Impact Statement (EIS).
- MES will provide technical coordination and integration services for regulatory compliance relative to the provisions of the federal water pollution control act (FWPCA) and National Environmental Policy Act (NEPA).
- Contract management services and planning and coordination services will be provided.

- Presentation development services will be provided.
- Writing, assembly and production of draft and final environmental documentation for the Mid Bay Islands Integrated Feasibility and Environmental Impact Statement will be provided.


**Project Status – Issues/Solutions (both required):**

- MES coordinated with the Corps on needed revisions to the EIS and to determine the latest schedule for the document to go to out to the public.
- MES coordinated with EA and the Corps to obtain distribution lists that were used for the Poplar Island Expansion Study SEIS.
- MES developed a database in Access for the distribution list of the Mid-Bay EIS

**Future Work Anticipated in March 06:**

- MES will assist as needed with revising any text of the EIS as requested by the Corps.
- MES will refine the database in Access for the ultimate distribution of the EIS to the public. MES will coordinate with EA and the Corps to get the lists to work from.

Signature/Date:

 03/31/06  
(MPA Project Manager)



**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:**

**Poplar Island GRR Evaluation**

**MPA Project Manager:**

**Nathaniel K. Brown**

**Assignee (s) Consultants/Contractors):**

**Gahagan and Bryant Associates**

**Contract Period:**

**02/15/05- 12/31/06**

**Budget Line #**

**PIN #**

**Contract #**

**1155**

**54100010**

**502820A1**

**Task #, Name:**

**Task #7, Poplar Island GRR  
Evaluation**

**Project Budget (Total):**

**\$261,951**

**Revisions:**

**Revision #:**

**Task Balance:**

**\$163,656**

**% Complete-Work (Total):**

**35%**

**% Expended (Total):**

**37.52%**

**% Complete (Crnt. FY)**

**40%**

**% Var./Balance  
(Crnt. FY):**

**60%**

**% Expended  
(Crnt. FY)**

**49.80%**

**% Var./Balance**

**50.20%**

**Project Goal(s):**

- To consider alternatives to expand the existing dredged material capacity at the existing Poplar Island Environmental Restoration Project, as well as other environmental and recreational improvements.

**Project Objectives:**

- This study will take into account modifications to the existing Poplar Island Environmental Restoration Project. Potential modifications could include: raising the existing dikes around the upland cells, constructing an expansion of the project footprint, environmental enhancements on the island and within Poplar Harbor, increased recreational opportunities, redefining criteria for placement of dredged materials at Poplar Island.

**Project Status Report Form**

**Prepared by**

**Harbor Development**

**Project Name: Poplar Island GRR Evaluation**

**Task #, Name: #7, Poplar Island GRR Evaluation**

**Project Status – Issues/Solutions (both required):**

- GBA provided further review of the wetland development costs presented in the PIE White Paper and phone consultations with Mr. Brown to discuss these costs.

Signature/Date: \_\_\_\_\_



(MPA Project Manager)

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:**

**Poplar Island GRR Evaluation**

**MPA Project Manager:**

**Nathaniel K. Brown**

**Assignee (s) Consultants/Contractors):**

**EA Engineering & Science Assocs.**

**Contract Period:**

**02/15/05- 12/31/06**

**Budget Line #**

**PIN #**

**Contract #**

**1160**

**54100010**

**502820B**

**Task #, Name:**

**Task #7, Poplar Island GRR  
Evaluation**

**Project Budget (Total):**

**\$33,501**

**Revisions:**

**Revision #:**

**Task Balance:**

**\$30,823**

**% Complete-Work (Total):**

**30%**

**% Expended (Total):**

**7.99%**

**% Complete (Crnt. FY)**

**10%**

**% Var./Balance  
(Crnt. FY):**

**90%**

**% Expended  
(Crnt. FY)**

**4.57%**

**% Var./Balance**

**95.43%**

**Project Goal(s):**

- To consider alternatives to expand the existing dredged material capacity at the existing Poplar Island Environmental Restoration Project, as well as other environmental and recreational improvements.

**Project Objectives:**

- This study will take into account modifications to the existing Poplar Island Environmental Restoration Project. Potential modifications could include: raising the existing dikes around the upland cells, constructing an expansion of the project footprint, environmental enhancements on the island and within Poplar Harbor, increased recreational opportunities, redefining criteria for placement of dredged materials at Poplar Island.

**Project Status Report Form**

**Prepared by**

**Harbor Development**

**Project Name: Poplar Island GRR Evaluation**

**Task #, Name: #7, Poplar Island GRR Evaluation**

**Project Status – Issues/Solutions (both required):**

- NO activity this period.

Signature/Date:

*Anthony K. Brown* 03/31/06  
(MPA Project Manager)

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** Interagency Agreement MDE/MPA Monitoring  
**Task #, Name:** #2, Baltimore Harbor TMDL Project

**Project Name:** **MPA Project Manager:**

**Interagency Agreement MDE/MPA**  
**Monitoring – Baltimore Harbor TMDL**  
**Project** **Nathaniel K. Brown**

**Assignee (s) Consultants/Contractors):** **Contract Period:**

**Maryland Dept. of the Environment** **01/31/03-06/30/05**

<b>Budget Line #</b>	<b>PIN #</b>	<b>Contract #</b>	<b>Task #, Name:</b>
1125	54010710	500910	<b>#2, Baltimore Harbor TMDL Project</b>

**Project Budget (Total):** **Revisions: Revision #:**

**\$211,544**

**Task Balance:**

**\$0**

**% Complete-Work (Total):** **% Expended (Total):**

**100%** **31.86%**

<b>% Complete (Crnt. FY)</b>	<b>% Var./Balance (Crnt. FY):</b>	<b>% Expended (Crnt. FY)</b>	<b>% Var./Balance</b>
<b>100%</b>	<b>0%</b>	<b>86.51%</b>	<b>13.49%</b>

**Project Goal(s):**

- To conduct water quality related computer modeling of Baltimore Harbor.

**Project Objectives:**

- To estimate non-point source loads, simulate fate of toxics in Baltimore Harbor – harbor models and provide detailed assessment (Upper Bay Model) – VIMS.

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** Interagency Agreement MDE/MPA Monitoring

**Task #, Name:** #2, Baltimore Harbor TMDL Project

**Project Status – Issues/Solutions (both required):**

- No project status report was received from MDE for this reporting period.
- A phone call was placed to MDE requesting this report.

Signature/Date:

*Anthony L. Brown* 03/31/06  
(MPA Project Manager)

**Project Status Report Form**  
*Prepared by*  
**Harbor Development**

**Project Name:**

Hart-Miller Island South Cell Environmental  
Restoration Project (HMI SCERP)

**Project Manager:**

David Bibo

**Assignee(s) (Consultants/Contractors):**

MES  
UMCES

**Contract Period:**

2002-2007

**Budget Line #:**

735

**PIN #:**

50130040

**Contract #:**

500607

**Task #, Name:**

HMI SCERP

**Project Budget:**

\$1,800,000 (Total)  
\$131,082(FY06)

**Revisions:**

None

**Revision #:**

None

**% Complete – Work (Total):**

76%

**% Expended - \$ (Total):**

96%/\$1,723,244

**% Complete (Crnt FY):    Var/Balance:**

50%

**% Expended (Crnt FY):    Var/Balance:**

FY 06 is based on an  
approved budget of  
\$131,082

33%/\$43,589

67%/\$87,493

**Project Goal(s):**

Restore the Hart-Miller Island South Cell creating a habitat for migratory birds, consisting of mud flats, nesting island, and uplands.

**Project Objectives:**

- Provide habitat for migratory birds.
- Provide citizens with passive recreation by observing the birds from viewing areas.

**Project Status Report Form**  
*Prepared by*  
**Harbor Development**

**Project Status - Issues/Solutions (both required):**

**Issues**

- Gwen Meyer of the USACE conducted a vegetation survey of the South Cell uplands. She provided the MPA with a Memorandum for Record (MFR) that recommended annual mowing in the South Cell uplands, mowing/mulching around woody shrubs and trees, and continuing control of the invasive species, *Phragmites*, and controlling pokeweed and mile-a-minute vine with a broadleaf herbicide.
- Spillway 003 remains bermed off until improvement work is completed to control leakage.

**Solutions**

- MES will be developing a plan of action to deal with invasive species within the South Cell in the spring of 2006. An aerial spray for *Phragmites* was completed October 20, 2005. The future mowing, mulching and invasive species (other than *Phragmites*) tasks will be covered under the South Cell monitoring proposals that will be submitted annually.
- MES Operations and Engineering Staff are developing a punch list of items that need to be completed to make Spillway 003 fully functional. Improvement work to spillway design began by Strum Contracting Company in January.

**Construction:**

- Geo Con has completed almost all their tasks and they have demobilized.
- The USACE is preparing a punch list for items that need to be corrected prior to closing the contract. Punch list items include: ground cover replacement in some areas, repair of the walkway around the pond, and replacement of the light poles outside of the control building (see below).
- MES is will be providing MPA with an updated spillway structure repair plan and an engineers estimate for the repair.

**Environmental Monitoring:**

- The SCERP is currently in Year 2 of monitoring (November 2005-October 2006). Year 1 monitoring year ended in October 2005. Interior water quality (MES) and interior sediment quality (UMCES) monitoring was conducted in Year 1.
- MES is conducting Year 2 interior water quality monitoring. One set of samples was collected on February 28, 2006 from the pond in front of Spillway 003, the pond where the pump is located and at N. 265 in the Bay.
- MES will conduct pre-discharge sampling at Spillway 003 once the spillway has been repaired.
- MES coordinated with UMCES on report status for Year 1 Monitoring.
- MES began drafting the Year 1 Comprehensive Monitoring Report.
- MES processed client and contractor invoices.

**Contractor University of Maryland (UMCES) Activities:**

- Analyze data and drafting of the Year 1 Monitoring Report and submit Dec. invoice

**Total Project Amount: \$1,800,000**

**Total Funding Allocated for Year 1 Monitoring: \$88,232.08**

**Total Funding Allocated for Year 2 Monitoring: \$42,849.32**

**02/28/06 Invoice Amount: \$9,339.44**

**Total Remaining for Project as of 02/28/06: \$76,755.71**

Signature/Date: David L. Lelo 03 29 06  
(Project Manager)



Date: 03.29.06

**Project Status Report Form**  
*prepared by*  
**Harbor Development**

**Project Name:**  
EPATS  
EPATS TASK 2 – Technical Support

**Project Manager:** MPA – Dave Bibo  
MES – Tammy Banta

**Assignee(s) (Consultants/Contractors):**  
MES  
General Physics

**Contract Period:** January 1999 – June 2007  
**Task Term:** May 1999 – June 2007  
**Reporting Period:** February 2006

<b><u>Budget Line #</u></b>	<b><u>PIN #:</u></b>	<b><u>Contract #:</u></b>	<b><u>Task #, Name:</u></b>
1085	54000010	500912	0302 – Technical Support

**Project Budget (Total):**

\$956,611

**Revisions:**

\$ 100,000 added 8/00  
\$ 100,000 added 6/01  
\$ 100,000 added 10/01  
\$ 100,000 added 04/02  
\$ 200,000 added 09/02  
\$16,000 added 03/03  
\$200,000 added 06/05  
\$44,479 added 01/06

**Revision #:**

1  
2  
3  
4  
5  
6  
7  
8

**% Complete (Total):**

Ongoing – tasks assigned as needed by MPA

**% Expended (Total):**

87.4%

**\$ Expended (Crnt FY06):**

\$149,523.67

**Project Goal(s):** To provide support to MPA for dredged material planning.

**Project Objectives:** To meet the general technical support needs of MPA for DMMP planning, innovative use projects, meeting facilitation, and project management.

**Project Status - Issues/Solutions:**

Report Period: February 1 through February 28, 2006

February 2006:

- MES submitted the monthly status report for January on February 15<sup>th</sup>.
- MES continued support to the DMMP process by maintaining the BEWG list-serve and facilitating the February 7<sup>th</sup> BEWG meeting. MES prepared and distributed a draft meeting summary on February 23<sup>rd</sup>. Preparations began for the March 7<sup>th</sup> BEWG meeting.
- MES continued to manage the General Physics contract for State DMMP meeting summaries.
- MES continued to manage the MPA/MES/MGS Coastal Geology Services IGA for MPA.
- MES performed project management duties related to record keeping, review, processing and recording of invoices and production of the status report for the month of January.
- MES attended a meeting with Moffatt & Nichol to discuss the scope of work for TSA Task 6: pH Treatment Plans.
- MES began proposal development for TSA Task 7 – HMI North Cell Closure Prefeasibility Study.
- MES developed a proposal for TSA Task 1 – Technical Services and Project Planning Support and submitted to MPA on February 2<sup>nd</sup>. This task will serve as the global technical and project planning support task to the overall TSA agreement, much like Tasks 1 and 2 under the EPATS agreement. MPA authorization was received on February 13, 2006.
- MES submitted a request for authorization to add Rick Sheckells (Ecologix Group) to TSA Task 4 - State DMMP Community Outreach and Public Involvement Support task on February 3, 2006. MPA authorization was received on February 13, 2006.
- MES attended the Management Committee Meeting on February 15<sup>th</sup>.
- MES closed EA's contract on EPATS Subtask 47.2 of the Federal DMMP on February 24, 2006
- MES coordinated with MPA to provide meeting summary and conference support services on the 3<sup>rd</sup> Annual Science Meeting for Chesapeake Marshlands Restoration and the Chesapeake Bay Marsh Restoration Workshop to be performed on March 8 and 10. Additionally, MES coordinated with USFWS staff to set up a tour of the facility by MES staff on March 9<sup>th</sup>.
- On February 28<sup>th</sup>, MES attended a meeting at MD DNR to continue planning for the Chesapeake Marshlands Restoration meeting and workshop.
- MES reviewed the Blackwater website and provided comments.
- MES submitted a request for authorization for scope amendment, budget increase, and name change on TSA Task 4 Outreach, Policy, and Technical Services on February 22, 2006. MPA authorization was received on March 1, 2006.

Future Work Anticipated in March 2006:

- MES will continue to support the State DMMP process. MES will coordinate with MPA on items to be discussed at the next BEWG meeting scheduled for March 7<sup>th</sup> and prepare a draft agenda. MES will facilitate and prepare a meeting summary of this meeting.

- MES will complete the development of a proposal for TSA Task 7 – HMI North Cell Closure Prefeasibility Study and submit the proposal to MPA in March.
- On March 2, MES will attend a conference call to continue planning for the Chesapeake Marshlands Restoration Conference.
- MES will attend the 3<sup>rd</sup> Annual Science Meeting for Chesapeake Marshlands Restoration on March 8<sup>th</sup>.
- MES will attend the Chesapeake Bay Marsh Restoration Workshop on March 10<sup>th</sup> and produce summaries of the afternoon breakout sessions.
- MES will prepare for and attend the Citizens' Advisory Committee Meeting on March 15<sup>th</sup>.
- MES will proceed with closing out EPATS Task 47 and Task 50.

Invoiced for February: \$26,725.34  
Invoiced to Date up to February 28, 2006: \$835,738.26  
Remaining as of February 28, 2006: \$120,827.74

Signature/Date: Dave Lulse 032806  
(Project Manager)

Date: 03.29.06

**Project Status Report Form**  
*prepared by*  
**Harbor Development**

**Project Name:**  
EPATS II  
TSA Task 1 – Technical Support & Project  
Planning Support

**Project Manager:** MPA – Dave Bibo  
MES – Tammy Banta

**Assignee(s) (Consultants/Contractors):**

MES

**Contract Period:** October 14, 2005 – July 31, 2009

**Task Term:** February 2006 – July 31, 2009

**Reporting Period:** February 2006

**Budget Line #**

**PIN #:**

**Contract #:**

**Task #, Name:**

1171

54140010

506918

Task 1 – Technical  
Services and Project  
Planning Support

**Project Budget (Total):**

\$211,617.13

**Revisions:**

**Revision #:**

**Complete (Total):**

Ongoing – tasks assigned as needed by MPA

**% Expended (Total):**

0%

**\$ Expended (Crnt FY06):**

\$0

**Project Goal(s):** To provide support to MPA for dredged material planning. MES will provide professional and technical services in support of program-level planning and inter-organizational coordination; preliminary planning and assessment for supplemental and future placement options including working group facilitation and associated inter-organizational coordination; general public involvement and participation support; professional, technical and documentary support for DMMP Executive, Management and Citizen Committees; and, other planning, facilitation, coordination and dissemination services agreed to by the MPA and MES.

**Project Objectives:** To meet the general support needs of MPA for DMMP project management, technical support, planning and meeting facilitation.

**Project Status - Issues/Solutions:**

- No issues identified to date.

Report Period: February 1 through February 28, 2006

February 2006:

- MES submitted the TSA Task 1 Proposal to MPA on February 8, 2006 and received MPA authorization for this task on February 13, 2006.
- MES developed the Task 1 budget and had it loaded into the MES financial management system.

Future Work Anticipated in March/April 2006:

- MES will continue proposal development services for MPA on the tasks assigned under the TSA agreement.
- MES will prepare the February 2006 status report on this task.
- MES will complete proposals for TSA Task 6: DMCF Long-Term pH Treatment Plans; TSA Task 7: HMI North Cell Closure Work; TSA Task 8 MPA Environmental Compliance Services and TSA Task 9 Masonville Air Quality Study.
- MES will begin planning for TSA Task 9 Air Emission Inventory for Masonville DMCF Construction Activities.

Invoiced for February 2006: \$0

Invoiced to Date up to February 28, 2006: \$0

Remaining as of February 28, 2006: \$211,617.13

Signature/Date: David B. Buler 03 28 06  
(Project Manager)

Poplar Site Development 2006 Budget

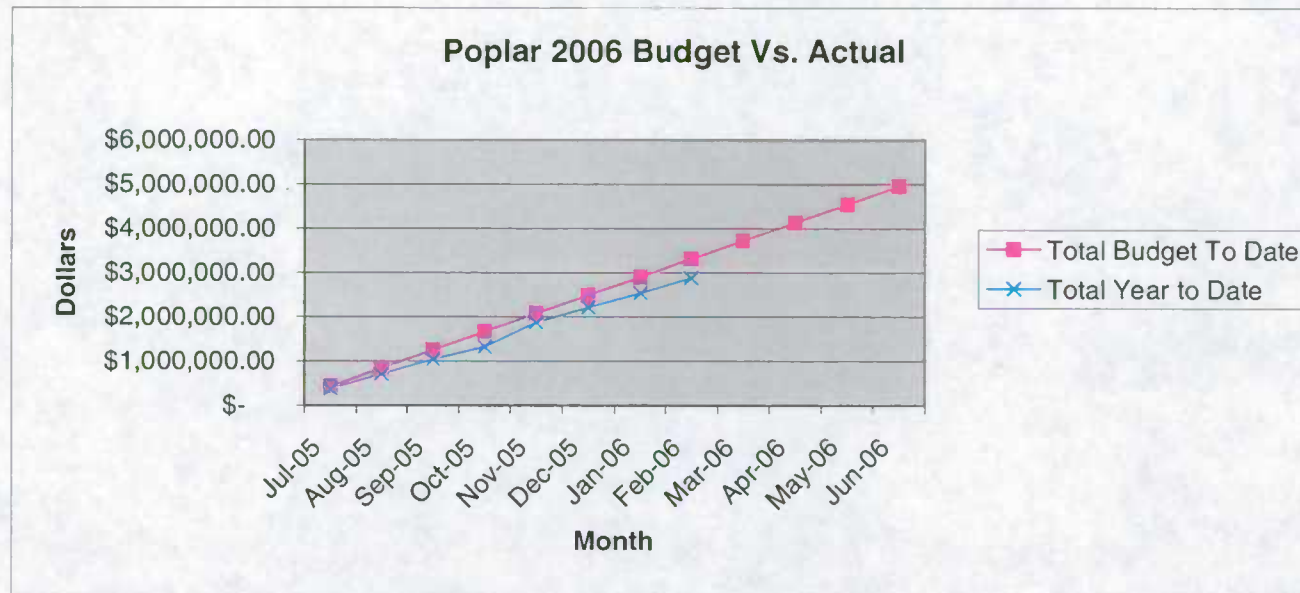
Poplar Site Development

MARYLAND PORT ADMINISTRATION AND MES  
MES CLIENT CONTRACT #502813, PIN No. 51030040, MES Contract No. 02-07-20

Total Contract Amount		\$	4,930,000.00	Remaining	\$	2,067,735.49
Prior Fiscal Years Expenditures	FY 02	\$	4,471,535.00			
	FY 03	\$	6,528,383.00			
	FY 04	\$	3,980,057.00			
	FY 05	\$	4,755,291.00			

	Budget	Total Budget To Date	Invoice Amount	Total Year to Date	Actual % Expended	Time Expended
Jul-05	\$ 410,833.33	\$ 410,833.33	\$ 360,115.63	\$ 360,115.63	7.6%	8%
August-05	\$ 410,833.33	\$ 821,666.67	\$ 341,680.73	\$ 701,796.36	14.9%	17%
September-05	\$ 410,833.33	\$ 1,232,500.00	\$ 327,843.40	\$ 1,029,639.76	21.8%	25%
October-05	\$ 410,833.33	\$ 1,643,333.33	\$ 282,992.08	\$ 1,312,631.84	26.6%	33%
November-05	\$ 410,833.33	\$ 2,054,166.67	\$ 542,898.30	\$ 1,855,530.14	37.6%	42%
December-05	\$ 410,833.33	\$ 2,465,000.00	\$ 341,021.08	\$ 2,196,551.22	44.6%	50%
January-06	\$ 410,833.33	\$ 2,875,833.33	\$ 323,884.27	\$ 2,520,435.49	51.1%	58%
February-06	\$ 410,833.33	\$ 3,286,666.67	\$ 341,829.02	\$ 2,862,264.51	58.1%	67%
March-06	\$ 410,833.33	\$ 3,697,500.00				
April-06	\$ 410,833.33	\$ 4,108,333.33				
May-06	\$ 410,833.33	\$ 4,519,166.67				
June-06	\$ 410,833.33	\$ 4,930,000.00				

# Poplar Site Development 2006 Budget



# HMI 2006 Budget

## HMI O&M

### HMI O&M Budget

MES CLIENT CONTRACT #500828, PIN No. 54020020, MES Contract No. 84-03-19

Total Contract Amount \$ 4,206,000.00

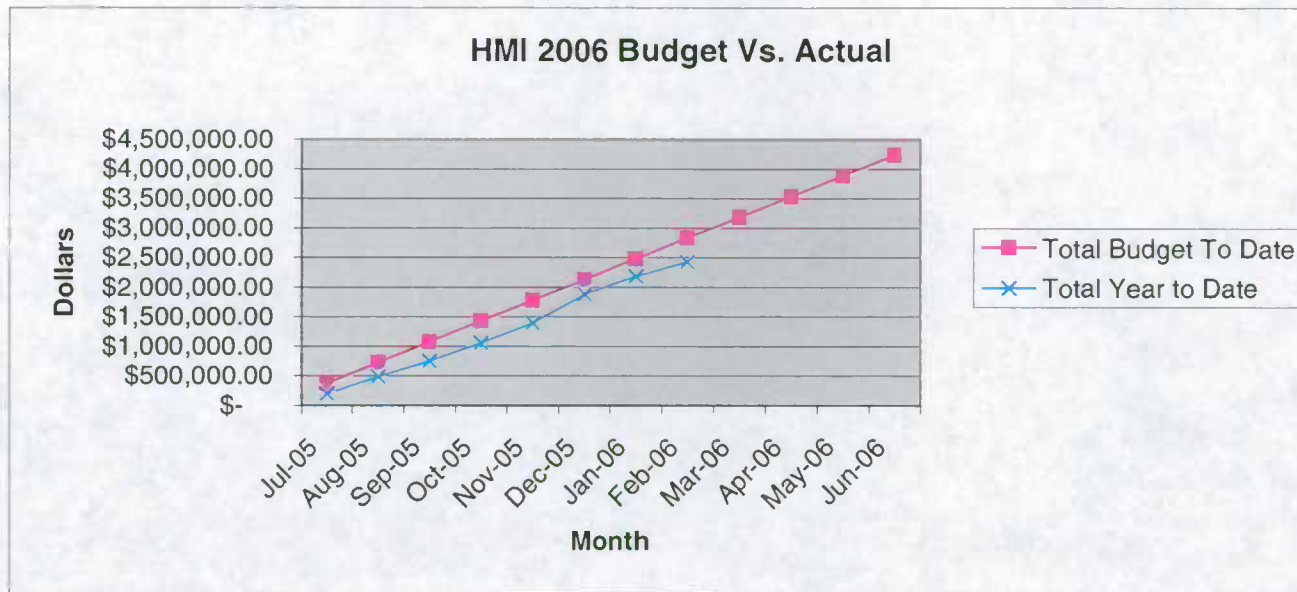
Remaining \$ 1,778,799.96

Prior Fiscal Years	FY 05	\$	2,652,911.00
	FY 04	\$	2,197,738.00
	FY 03	\$	2,762,569.00
	FY 02	\$	4,669,333.00

	Budget	Total Budget To Date	Invoice Amount	Total Year to Date	Actual % Expended	Time Expended
Jul-05	\$ 350,500.00	\$ 350,500.00	\$ 197,506.31	\$ 197,506.31	5.31%	8%
August-05	\$ 350,500.00	\$ 701,000.00	\$ 291,250.43	\$ 488,756.74	13.15%	17%
September-05	\$ 350,500.00	\$ 1,051,500.00	\$ 260,863.80	\$ 749,620.54	20.17%	25%
October-05	\$ 350,500.00	\$ 1,402,000.00	\$ 309,875.59	\$ 1,059,496.13	25.19%	33%
November-05	\$ 350,500.00	\$ 1,752,500.00	\$ 334,789.67	\$ 1,394,285.80	33.15%	42%
December-05	\$ 350,500.00	\$ 2,103,000.00	\$ 485,602.42	\$ 1,879,888.22	44.70%	50%
January-06	\$ 350,500.00	\$ 2,453,500.00	\$ 302,009.48	\$ 2,181,897.70	51.88%	58%
February-06	\$ 350,500.00	\$ 2,804,000.00	\$ 245,302.34	\$ 2,427,200.04	57.71%	67%
March-06	\$ 350,500.00	\$ 3,154,500.00				
April-06	\$ 350,500.00	\$ 3,505,000.00				
May-06	\$ 350,500.00	\$ 3,855,500.00				
June-06	\$ 350,500.00	\$ 4,206,000.00				



## HMI 2006 Budget



Cox Creek 2006 Budget

**Cox Creek Site Development**

**Cox Creek O&M**

**MES CLIENT CONTRACT #504907, PIN No. 53050040, MES Contract No. 03-07-32**

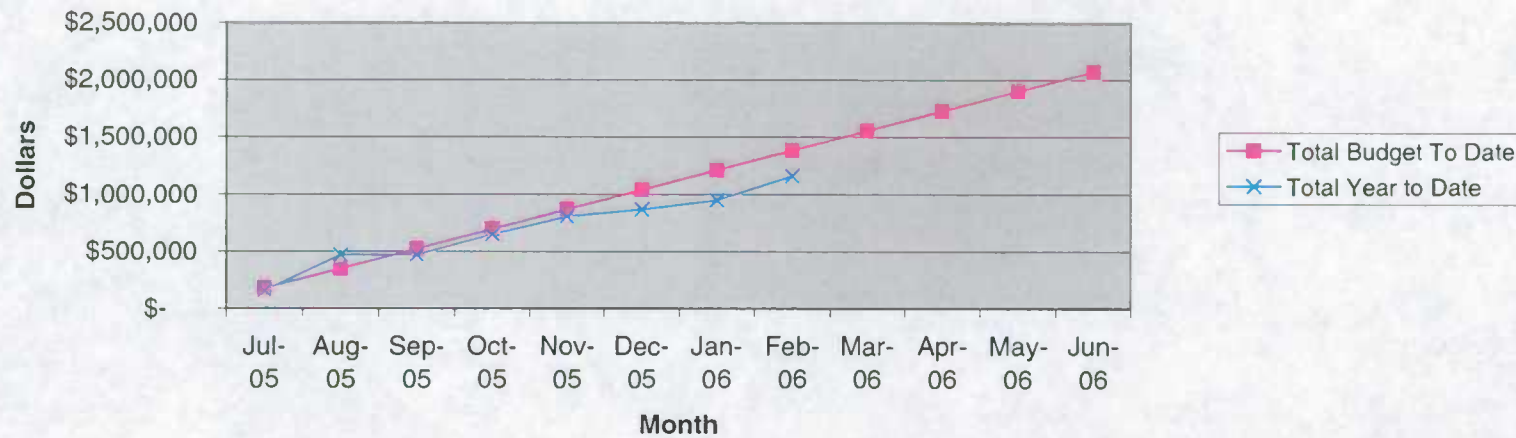
Total Contract Amount	FY 06	\$	2,066,000.00	Remaining	\$	910,793.19
Prior Fiscal Years	FY 05	\$	3,718,564	\$	3,356,446	
Budget/Expended	FY 04 & 03	\$	1,500,000	\$	1,037,151	

	Budget	Total Budget To Date	Monthly Expenditures	Total Year to Date	Actual Expended	Time Expended
Jul-05	\$ 172,167	\$ 172,167	\$ 153,607.53	\$ 153,607.53	7%	8%
August-05	\$ 172,167	\$ 344,333	\$ 310,363.25	\$ 463,970.78	22%	17%
September-05	\$ 172,167	\$ 516,500	\$ 1,129.76	\$ 465,100.54	23%	25%
October-05	\$ 172,167	\$ 688,667	\$ 180,212.37	\$ 645,312.91	31%	33%
November-05	\$ 172,167	\$ 860,833	\$ 154,318.82	\$ 799,631.73	39%	42%
December-05	\$ 172,167	\$ 1,033,000	\$ 61,923.30	\$ 861,555.03	42%	50%
January-06	\$ 172,167	\$ 1,205,167	\$ 82,553.79	\$ 944,108.82	46%	58%
February-06	\$ 172,167	\$ 1,377,333	\$ 211,097.99	\$ 1,155,206.81	56%	67%
March-06	\$ 172,167	\$ 1,549,500				
April-06	\$ 172,167	\$ 1,721,667				
May-06	\$ 172,167	\$ 1,893,833				
June-06	\$ 172,167	\$ 2,066,000				

Note - September's invoice amount of \$1,129.76 is offset by a SWO credit adjustment for charges made to 1202 - Dike Raising in the amount of \$133,138.34. The credit is a result of moving these charges related to dike raising efforts up to 24' to the correct cost center, Cox Creek Construction 792-7884.

# Cox Creek 2006 Budget

## Cox Creek Site Development 2006 Budget Vs. Actual



**Project Status Report Form**  
*Prepared by*  
**Harbor Development**

**Project Name:**

EPATS Task 59: Poplar Cell 3D Sediment and Plant Monitoring

(This project is included under MES Open Ended Consulting EPATS)

**Assignee(s) (Consultants/Contractors):**

Maryland Environmental Service  
 UM Center for Environmental Science

**MES Project Manager:**

Jennifer Harlan

**Contract Period:**

7/11/05 – 07/31/07

**Budget Line #****PIN #:****Contract #:****Task #, Name:**

1085

54000010

500912

EPATS #59  
 Poplar Cell 3D  
 Sediment and Plant  
 Monitoring

**Project Budget (Total):**

\$535,871(Total Budget)

**Revisions:**

None

**Revision #:**

N/A

**% Complete (Total):**

30%

**% Expended (Total):**

29%

**% Complete (Crnt. FY):    % Var./Balance  
 (Crnt. FY):**

50% (Based on work  
 anticipated vs. completed  
 in FY06)

**% Expended (Crnt. FY):    % Var./Balance:**

29%

**Project Goal(s):**

- To monitor Cell 3D to gauge the suitability of dredged material as a planting substrate by: studying the sediment biogeochemistry and pore water biogeochemistry, and assessing the success of the marsh plantings.

**Project Objectives:**

- To monitor Cell 3D to quantify the degree of success in meeting the goals of the project for establishing healthy marshes. To monitor the dissolved phase of the water in the dredged material substrate. To conduct analysis on the solid phase dredged material substrate. To determine how the pore water and sediments are affecting the plant growth. To map sediment erosion and accretion. To measure the success of the plantings within the marsh and on the habitat island. To determine what design features and cell treatments are the most successful in promoting good plant growth and coverage.

**Project Status Report Form**  
*Prepared by*  
**Harbor Development**

**Project Status – Issues/Solutions (both required):**

- **Issues**
  - None
- **Solutions**
  - None required.
- **MES Activities:**
  - Performed contractor oversight and management.
  - Prepared January progress report.
  - Started reviewing UMCES report.
- **UMCES Activities:**
  - Continued analyzing sediment and pore water samples in laboratory.
  - Submitted a revised 1<sup>st</sup> annual report in early February.
- **Future Activities:**
  - MES will continue subcontractor oversight and management, including report review, subcontractor management and invoice payment and schedule oversight.
  - UMCES continue processing data from fall field surveys.
  - UMCES will submit a bimonthly report in February.
  - UMCES will start preparing for spring tasks.
  - MES will begin drafting the Cell 3D Vegetation Lessons Learned report.

**Total Contract Amount: \$535,871**

**Total Amount of 02/28/06 Invoice: \$ 24,757.31**

**Total Amount Invoiced as of 02/28/06: \$156,898.84**

Signature/Date: David Belo 03 29 06  
(Project Manager)

**Project Status Report Form**  
*Prepared by*  
**Harbor Development**

**Project Name:**

Cell Surveying Services at Poplar Island

**MPA Project Manager:**

Dave Bibb

This task is included in the overall PIERP ERP Contract

**MES Project Manager:**

Darren Fisher

**Assignee(s) (Consultants/Contractors):****Maryland Environmental Service****Contract Period:**

09/20/05 – 09/19/06

**Budget Line #**

1090

**PIN #:**

54020020

**Contract #:**

500828

**Task #, Name:**

ERP #37, PIERP

**Project Budget (Total):**

\$185,862

**Revisions:**

\$0

**Revision #:**

NA

**% Complete (Total):**

8%

**% Expended (Total):**

8% (based on Task 37 only)

**% Complete (Crnt. FY):    % Var./Balance  
(Crnt. FY):**

8%

**% Expended (Crnt. FY):**

8% (based on Task 37 only)

**Project Goal(s):**

Provide cell-surveying services to the MPA and USACE for the management of cell development. Provide support to USACE for sampling activities within the cells at Poplar Island.

**Project Objectives:**

- Provide topographic surveys.
- Provide USACE sampling support.

**Project Status:****MES Activities:**

- Submitted proposal for ERP Task 37 to MPA on September 7, 2005.
- Received approval for task on September 20, 2005.
- Surveys began in October 2005. Final surveys will be provided to MPA and USACE when complete (anticipated to be complete in November 2005).
- MES and USACE worked together during survey and sampling activities.
- Pre-inflow surveys and sampling complete.

**Project Status Report Form**

*Prepared by*

**Harbor Development**

- Results provided to MPA and USACE.

**Future Activities:**

- MES will conduct post inflow surveys and sampling activities with the USACE.
- MES may be asked to survey the cells designated for final inflow and wetland cell development again prior to this year's inflow.

**Total Contract Amount (Task 37 only): \$185,862**

**Total for Task 37 in February 2006 Invoice: \$0**

**Total Amount Invoiced for Task 37 as of 2/28/06: \$16,239**

Signature/Date: David Belo 03.29.06  
(Project Manager)

**Project Status Report Form***Prepared by***Harbor Development****Project Name:**Cell 6 Planning Services for the Poplar Island  
Environmental Restoration ProjectThis task is included in the overall PIERP ERP  
Contract**MPA Project Manager:**

Dave Bibb

**MES Project Manager:**

Darren Fisher

**Assignee(s) (Consultants/Contractors):**Maryland Environmental Service  
GBA**Contract Period:**

04/26/05 – 04/25/06

**Budget Line #**

1090

**PIN #:**

54020020

**Contract #:**

500828

**Task #, Name:**

ERP #35, PIERP

**Project Budget (Total):**

\$293,872

**Revisions:**

\$0

**Revision #:**

NA

**% Complete (Total):**

11%

**% Expended (Total):**

11% (based on Task 35 only)

**% Complete (Crnt. FY):    % Var./Balance  
(Crnt. FY):**

11%

**% Expended (Crnt. FY):**11% (based on Task 35  
only)**Project Goal(s):**

Assist the MPA and USACE in the development of a plan for the closure of Cell 6 at Poplar Island.

**Project Objectives:**

- Provide joint planning team support.
- Participate in the Cell 6 closure and dike raising planning.
- Provide wetland and upland cell development support.
- Provide planning and management services.

**Project Status:****MES Activities:**

- Submitted proposal for ERP Task 35 to MPA on March 24, 2005.
- Received approval for task on April 7, 2005.
- Executed contract for GBA Engineering's support for task on April 26, 2005.



**Project Status Report Form***Prepared by***Harbor Development**

- Received from USACE the 65% complete drawings of the Cell 6 closure for review and comment.
- Reviewed USACE 65% complete drawings of the Cell 6 closure.
- Comments submitted to USACE.
- Attend meeting on September 29, 2005 at Poplar Island to discuss the 65% complete drawings of the Cell 6 closure.
- Attend meeting at MPA to discuss Cell 6 closure, inflow, and wetland cell development.
- Review and comment on 95% complete drawings of the Cell 6 closure.

**Contractor (GBA) Activities:**

- Attend Poplar Operations meetings.
- Attend Poplar inflow schedule meetings.
- Attend Poplar pre-bid and pre-con meetings for maintenance items and upcoming inflow season.
- Attend Poplar Cell 6 closure meeting.
- Review and comment on 65% complete drawings of the Cell 6 closure.
- Attend Poplar meeting at MPA with MES and USACOE to discuss Cell 6 closure, inflow, and wetland cell development.
- Review and comment on 95% complete drawings of the Cell 6 closure.
- Attend Poplar inflow schedule meeting on January 19, 2006.
- Attend Poplar Operations meeting on January 19, 2006.

**Future Activities:**

- GBA will continue to attend Poplar Island operations, cell 6 closure, inflow, and construction meetings.
- USACE to incorporate comments submitted by GBA, MPA, and MES into cell 6 drawings.
- USACE to complete drawings and bid specifications and put out for bid in March 2006.

**Total Contract Amount (Task 35 only): \$293,872****Total for Task 35 in February 2006 Invoice: \$2,950****Total Amount Invoiced for Task 35 as of 2/28/06: \$33,110**

Signature/Date: David Bello 03 29 06  
(Project Manager)

**Project Status Report Form**  
*Prepared by*  
**Harbor Development**

**Project Name:**

Coaches Island Shoreline Stabilization

**MPA Project Manager:**

Dave Bibb

This task is included in the overall PIERP ERP  
Contract

**MES Project Manager:**

Darren Fisher

**Assignee(s) (Consultants/Contractors):****Maryland Environmental Service****Contract Period:**

08/23/04 – 12/31/05

**Budget Line #**

1090 (new)

**PIN #:**

54020020

**Contract #:**

500828

**Task #, Name:**

ERP #34, PIERP

**Project Budget (Total):**

\$244,806

**Revisions:**

\$0

**Revision #:**

NA

**% Complete (Total):**

99%

**% Expended (Total):**

96% (based on Task 34 only)

**% Complete (Crnt. FY):    % Var./Balance  
(Crnt. FY):**

99%

**% Expended (Crnt. FY):**96% (based on Task 34  
only)**Project Goal(s):**

Provide shoreline stabilization and beach restoration services for Coaches Island.

**Project Objectives:**

- Completion of the shoreline stabilization design.
- Securing the erosion and sediment control permit.
- Securing a contractor and providing construction management services.
- Completion of the beach restoration.

**Project Status:****MES Activities:**

- Submitted proposal for ERP Task 34 to MPA on June 30, 2004.
- Received approval for task on August 23, 2004.
- Completion of shoreline stabilization design.
- Secured erosion and sediment control permit.

**Project Status Report Form**

*Prepared by*

**Harbor Development**

- Secured contractor for shoreline stabilization services.
- Completed beach restoration.
- Final contractor invoice paid.
- Meeting with property owner resulted in minor repair work to beach area and work completed.

**Future Activities:**

- Construction activities are complete.
- Meeting with Coaches Island owner, MPA, and MES was held on October 12, 2005.
- Final remaining items involving invoices for beach restoration activities. Task complete with November 2005 invoice. A pump rental invoice was paid in December for the work done in October – invoice submitted in November and paid in December.
- Property owner has requested additional work to be completed by MES via an agreement with the property owner. Property owner to pay for these services.
- Task complete.

**Total Contract Amount (Task 34 only): \$244,806**

**Total for Task 34 in February 2006 Invoice: \$0**

**Total Amount Invoiced for Task 34 as of 2/28/06: \$236,072**

**Signature/Date:** David Bullock 03 29 06  
**(Project Manager)**

**HART-MILLER ISLAND DMCF**  
***Environmental Monitoring Task Update***  
**February 2006**

*All tasks included in this update (except where noted) are funded from the approved FY 06 and FY07 Hart-Miller Island Operations and Monitoring Budget. Costs associated with specific HMI monitoring tasks are tracked separately upon request.*

*This update does not include MES activities associated with regular operations and crust management environmental monitoring.*

**Groundwater Study**

**Update:** MES drafted a monitoring plan for the future of the groundwater monitoring well study at HMI using the wells installed for the 2002/2003 study, which was approved by MDE in late December. This plan has been implemented as of January 2006; the first semi-annual set of samples will be collected in early spring. Per MPA request, MES drafted a White Paper that details the background and results from the old HMI wells.

**MES Tasks for Reporting Period:**

- Ordered equipment and supplies for the groundwater monitoring well study.
- Drafted HMI Well White Paper.

**Future:** The groundwater wells will be monitored on a semi-annual basis as presented in the new monitoring plan. The HMI Well White Paper will be distributed to MPA in early March.

**Vegetation (*Phragmites*) Monitoring**

**Update:** Maryland Department of Natural Resources (DNR) has been contacted to perform a burn for dead *Phragmites*. The burn, originally scheduled for November, has been pushed to early spring due to weather and DNR availability. DNR sent a cost estimate and prescribed burning agreement, which was reviewed by MES in February.

**MES Tasks for Reporting Period:**

- Reviewed DNR prescribed burning agreement.

**Future:** MES will continue coordinating the burn with DNR. MPA will be contacted in early March for cost approval. MES will continue to prepare for the burn by getting the necessary burn permits, notifying the public and county fire marshal of the planned burn and installing fire breaks within the facility. MES will receive MPA and MDA permission before spraying a broadleaf herbicide, other than Glypro<sup>®</sup>, in the South Cell uplands and MES will develop a plan for controlling invasive plants such as pokeweed and mile-a-minute.

**North Cell Inflow Planning/Closure/Sediment Sampling**

**Update:** MES continues to coordinate with GBA regarding inflow planning and meeting preparation. MES HQ staff continued to follow up on action items from the inflow-planning meeting held on October 20<sup>th</sup>. MES assisted with preparation of the presentation to MDE regarding the use of permit limits rather than goals to collect data for future inflows. MES worked with GBA and MPA to develop the TSS Study criteria. Specific North Cell Closure Team tasks are reported under the EPATS agreement, while the pH treatment plan tasks will be reported under the TSA agreement.

**MES Tasks for Reporting Period:**

- Continued reviewing draft of “Standard Operating Procedures for Environmental Monitoring”.
- Conducted February TSS gradient sampling; samples were prepared and submitted to laboratory for analysis.
- Continued discussions with Agrotors to research aerial application of lime.
- Attended pre-MDE meeting on 2/7 with GBA and MPA.
- Prepared presentation for 2/13 MDE meeting.
- Attended the 2/13 meeting with MDE/MES/GBA/MPA to discuss HMI NC inflow planning during the final years.
- Reviewed and commented on the 2/13 MDE meeting summary.
- Attended 2/15 meeting with MES/GBA/MPA to discuss TSS Study implementation.
- Drafted and distributed the meeting summary from the 2/15 meeting.
- Attended the 2/27 meeting with MES/GBA/MPA to finalize the TSS Study implementation.
- Drafted and submitted notification letter to MDE Compliance regarding the TSS Study.
- Distributed the Updated TSS Gradient Study report that included December results.
- Drafted and distributed weekly update on metals and pH treatment.

**Future:** MES will continue to assist the MPA and their consultants in preparing for the final years of inflow. MES will implement the TSS Study from March 6 – 27<sup>th</sup>. MES will prepare a report for MDE regarding findings from the TSS Study. MES will finalize the SOP and distribute it to MPA and GBA for review. The next set of North Cell sediment samples will be collected in spring 2006, after inflow is received.

#### **Discharge Permit**

**Update:** Per the permit requirements, MES prepared a nutrient reduction plan (NRP) that was sent to MPA in June for review and then forwarded it to MDE. MES received a response from MDE on the plan. Additional meetings have been held between MPA, EA and MES to discuss the next steps. Under the EPATS agreement, these tasks are detailed in a separate progress report (Task 61). MES received the results from the January 2006 biomonitoring re-test; there was some mortality to the mysid shrimp in 80% effluent concentration. MES submitted the biomonitoring report to MDE and is awaiting their response for follow-up.

#### **MES Tasks for Reporting Period:**

- Conducted monthly sampling at each spillway in the North Cell.
- Drafted and submitted biomonitoring report to MDE.

**Future:** MES will implement any follow up monitoring or sampling required by MDE as a result of the 2<sup>nd</sup> failed biomonitoring test. Awaiting determination of final permit limits for ammonia, copper and zinc from MDE. MES is currently operating under the interim limits, which were extended for 12 months since the chemical translator and mixing zone reports have both been submitted to MDE.

#### **Algae Monitoring**

**Future:** Sampling will resume in April 2006. MES will prepare schedule and contract in March.

#### **South Cell Vegetation/Soil Monitoring**

There was no activity on this task in February 2006.

#### **North Cell (NC) Demonstration Plots**

**Update:** At the March 31, 2005 NCCT meeting, the team decided to wait to discuss the development of the NC demonstration plots until the results of the South Cell sediment and vegetation survey data was received and reviewed. The test plot area has been selected and bermed off from inflow material.

**Future:** MES will work with the NCCT to determine how and when the demonstration plots will be built.

**Other:**

- MES drafted the quarterly website update for the MPA Safe Passage website. This update was sent to MPA for review on February 16<sup>th</sup>.

Date: 03.26.06

**Project Status Report Form**  
*prepared by*  
**Harbor Development**

**Project**

Dredged Material Management Consulting - Dredging

**Project Manager:**

David Bibo

**Assignee(s) (Consultants/Contractors):**

Gahagan & Bryant Associates, Inc.

**Contract Period:**

February 1 - February 28, 2006

**Budget Line #**

1155

**PIN #:**

54100010

**Contract #:**

502820A

**Task #, Name:**

Task 9 HMI Closure/Filling P&D

**Project Budget (Total):**

\$400,611

**Revisions:**

**Revision #:**

**% Complete (Total):**

60%

**% Expended (Total):**

82.01%

**% Complete (Crnt FY): Var/Balance:**

70%

Favorable / 30.0%

**% Expended  
(Crnt FY)**

77.91%

**Var/Balance:**

Favorable / 22.09%

**Project Goal(s)**

Hart Miller Island (HMI) will be closed for all placement of dredged material at the end of 2009 and final cap or cover material placement will begin at the end of 2007. GBA will participate in the planning and design for operations, placement and final filling, and closure for the HMI site.

**Project Objectives:**

GBA will provide qualified staff to assist the MPA with the following subtasks

**9.1)** Ops/Placement Plans – Filling and Capacity Ests.

**9.4)** Meetings and Site Visits

**9.2)** Field Borings & Consolidation Estimates

**9.5)** Construction Planning and Equipment Optimization

**9.3)** Cap Closure Team

**Project Status - Issues/Solutions (both required):**

Extensive work this period on several task issues. Preparatory and final meetings with MES and MDE regarding a test of TSS during discharge with regard to implementation of goal and permit limit values. Continued work towards deliverable of a fill plan through inflow closure due in April. Continued meetings and preparation of closure team items for April delivery. Continued work towards deliverable regarding analysis of re-circulation of dredging inflow make-up water as an aid to water quality of the discharge water. Review and analysis of inflow material consolidation in support of the fill plan and closure tasks.



**David Bibo - Project Manager**

March 29, 2006

**(Date)**

Date: 03.29.06

**Project Status Report Form**  
*prepared by*  
**Harbor Development**

**Project**

Dredged Material Management Consulting - Dredging

**Project Manager:**

David Bibo

**Assignee(s) (Consultants/Contractors):**

Gahagan & Bryant Associates, Inc.

**Contract Period:**

February 1 - February 28, 2006

**Budget Line #**

**PIN #:**

**Contract #:**

**Task #, Name:**

1155

54100010

502820A

Task 12

Poplar Site Operations LL

**Project Budget (Total):**

\$99,287

**Revisions:**

**Revision #:**

**% Complete (Total):**

45%

**% Expended (Total):**

48.35%

**% Complete  
(Crnt FY):**

20%

**Var/Balance:**

Favorable / 80.0%

**% Expended  
(Crnt FY)**

17.89%

**Var/Balance:**

Favorable / 82.11%

**Project Goal(s)**

GBA will review operational practices and procedures at Poplar Island upon request of the MPA and provide comments, recommendations and/or reports accordingly.

**Project Objectives:**

GBA will provide qualified staff to assist the MPA with the following subtasks

- |                                         |                                                 |
|-----------------------------------------|-------------------------------------------------|
| 12.1) Cell 3D Lessons Learned Report    | 12.3) Cell 5 Deep Hole Wetland Development Plan |
| 12.2) Construction Planning & Equipment | 12.4) Cell 3D Report Restructuring              |

**Project Status - Issues/Solutions (both required):**

Work continued on Cell 3D Lessons Learned Cell 3D report revisions. CENAB provided vane shear test data to be included in the appendix of the report. CENAB is also to provide GBA with text explaining the testing procedures and results, to be included within the text of the report.



**David Bibo - Project Manager**

March 29, 2006

**(Date)**



Date: February 28, 2006

**Project Status Report Form**  
*prepared by*  
**Maryland Port Administration - Harbor Development**

**Project**  
Dredged Material Management Consulting -

**Project Manager:**  
David Bibo

**Assignee(s) (Consultants/Contractors):**  
Gahagan & Bryant Associates, Inc.

**Contract Period:**  
February 1 - February 28, 2006

**Budget Line #**  
1155

**PIN #:**  
54100010

**Contract #:**  
502820A

**Task #, Name:**  
Task 10 Cox Creek Ops Filling

**Project Budget (Total):**  
\$118,183

**Revisions:**      **Revision #:**

**% Complete (Total):**  
40%

**% Expended (Total):**  
35.34%

**% Complete (Crnt**

**Var/Balance:**

**% Expended**  
**(Crnt FY)**

**Var/Balance:**

70%

Favorable / 30.0%

78.80%

Favorable / 21.20%

**Project Goal(s)**

Cox Creek Dredged Material Containment Facility will begin operations as early as the fall of 2005. GBA will participate in the planning and design for operations and placement for the Cox Creek site.

**Project Objectives:**

GBA will provide qualified staff to assist the MPA with the following subtasks

10.1) Operations/Placement Plans  
Filling Capacity & Estimates

10.2) Meetings and Site Visits  
10.3) Constuction Planning & Equip Optimization

**Project Status - Issues/Solutions (both required):**

Review daily operations and inflow reports. Preliminary work on future inflow locations and fill plan.



**David Bibo - Project Manager**

March 29, 2006

**(Date)**

## **PROGRESS REPORT**

**Project: OPEN-WATER PLACEMENT SITE 92**

**Period: February 2006**

**MPA Contract No.: 599910**

**MPA PIN: 521100-40**

**CENAP Contract No.: DACW61-03-C-00031, Option Year 2**

**MPA Contract Amounts:**

**Year 3: \$157,430.09**

**Year 4: \$162,130.72**

**Year 5: \$164,790.13**

**Year 6: \$122,424.27**

**Year 7: \$118,680.93**

**Year 8: \$136,113.80**

### **A. Site Management**

1. MES completed drafting the Year 8 Site Management Report and distributed the draft to the Principal Investigators (PI) Team for review on February 22<sup>nd</sup>.
2. MES generated bathymetric survey figures for the Draft Year 8 Site Management Report. MES refined the Year 8 Isopach figure to include additional contour lines for inclusion in the Year 8 Site Management Report (SMR).
3. MES reviewed the capacity tables for Projected Usage at the Pooles Island Placement Sites and coordinated with Maryland Geological Survey on suggested edits.
4. MES updated material volumes in the Year 8 Site Management Report (SMR) Table 3.
5. MES distributed the corrected version of the projected capacity estimate table with accompanying footnote explanations to the PI Team on February 1<sup>st</sup>.
6. MES incorporated comments from the PI team and distributed the final summary for the December 21<sup>st</sup> Contractor/Team e-mail discussion on February 1<sup>st</sup>.

### **B. Consolidation and Resuspension (MGS)**

1. MGS submitted the corrected version of the projected capacity tables for Projected Usage at the Pooles Island Placement Sites with accompanying footnote explanations to MES for distribution to PI Team. MGS incorporated comments on the projected capacity table.
2. MGS continued to analyze Year 7 surveys and sediment data collected to date.
3. MGS continued drafting the Year 7 Placement, Consolidation, and Erosion (PCE) Study.
4. MGS continued to analyze Year 8 surveys and sediment data collected to date.

5. MGS reviewed MES volume updates the for Year 8 placement in the Year 8 Site Management Report (SMR) Table 3
6. MGS submitted a progress report for the month of January on February 7, 2006.

**C. Benthic Community Evaluation**

1. The benthic community evaluation will not be performed until approximately 18 months after the end of all placement activities at Site 92.

**D. Technical Support (MDE) Report Period January - March**

1. MDE Activities will be reflected in the quarterly progress report submitted in April 2006.

**E. Technical Integration**

1. MES coordinated studies and principal investigators to maximize efficiencies and exchange information during the Year 8 study period.
2. MES communicated with principal investigators as necessary to review findings of the studies and to coordinate activities.
3. MES verified and tracked deliverables and findings as necessary.
4. MES provided overall program QA/QC to ensure that report and project elements met stated technical objectives.
5. MES provided technical information and guidance as necessary for future Site 92 placement actions and certifications.

**F. Project Management**

1. MES coordinated with MGS and MDE for submittal of project status reports.
2. MES drafted the summary for the January 25th PI Team meeting held in Chesapeake City.
3. MES coordinated with MGS and MDE for submittal of Scopes of Work by April 2006 for inclusion in the Year 9 request for funding and CENAP contract renewal.
4. MES received and forwarded the Courthouse Point data collected by MGS.
5. MES monitored progress on all work tasks and informed the clients on its status.
6. MES submitted a monthly status report for the month of January on February 15, 2006 to MPA and CENAP.

7. MES submitted a monthly financial report to MPA for the month of January on February 15, 2006.

**G. Turbidity Plume Monitoring**

1. Turbidity plume monitoring is conducted only when placed materials exceed the authorized elevation of -14 MLLW and dragging is determined necessary. The final elevation at Site 92 was evaluated during the December 21<sup>st</sup> Contractor/Team e-mail discussion and the Study Team determined that dragging was not necessary and thus Turbidity Plume Monitoring is not necessary for Year 8.

**Cox Creek DMCF**  
***Task Update***  
**February 2006**

*\*\*\*All tasks included in this update (except where noted) are funded from the approved FY 06 and FY07 Cox Creek Operations and Monitoring Budget. Costs associated with specific Cox Creek monitoring tasks are not tracked separately, unless requested.\*\*\**

**Environmental Monitoring Tasks for Reporting Period:**

**Update:** Monitoring activities at Cox Creek during the reporting period were based on the Cox Creek Discharge Permit. Since March 11, 2005, the spillways have been used for discharge and the Stormwater Monitoring Plan (2003) has been replaced with the State Discharge Permit.

With high copper and zinc concentrations occurring throughout the month, MES has been collecting additional daily grab samples and coordinating a 24-hour laboratory turn around time for results to assist in making operational decisions.

- Collection of 8-hour composite sample during discharge.
- Maintained and calibrated lab and field equipment daily.
- Performed hourly inspection duties at the spillway when discharging.
- Monitored the pH of the pond in the North Cell daily.
- Transported daily and weekly samples to laboratory and compared the results with the discharge permit to maintain discharge.
- Determined when and added lime to the North Cell pond based on pH levels and metal concentrations.
- Compiled data into monthly and quarterly reports for discharge water quality and wetland monitoring.
- Continued implementing the monitoring plan for the Swan Creek mitigation area.
- Installed coir or bio logs on the beach berm at the Swan Creek mitigation area to prevent further erosion.
- Deepen the inlet to the Swan Creek mitigation area to increase tidal exchange as per the recommendations of the M&N tidal gauge study.
- Prepared and submitted to MPA a summary of mitigation projects associated with the Cox Creek DMCF.
- Maintained analytical databases.
- Ordered supplies for environmental monitoring.
- Continued use of an Aquafix lime doser system for water treatment and continued a pH/lime correlation study.
- Collected a soil sample from the South Cell to test for use in the pier mitigation area.
- Installed a weather station and began collecting site-specific weather data.
- Performed annual and biomonitoring sampling on 2/6/2006.

**Future:** MES will continue the water quality monitoring and prepare the required reports. The efficiency of the lime doser system will continue to be evaluated. The Swan Creek Mitigation Area plan will continue to be implemented and monthly reports on the mitigation site will be submitted under separate cover.

**Meetings, Tours & Events:**

- 2/07/06 @ 8:30 a. m. – Cox Creek Operations Meeting – Location: On-site.
- 2/07/06 @ 9:30 a. m. – Unloading pier construction progress meeting w/ Corman-Imbach Marine Inc. – Location: On-site.
- 02/08/06 @ 13:00 – Cox Creek Innovative Reuse Team Meeting – Location: On-site.
- 02/15/06 @ 17:00- Citizens Oversight Committee Meeting – Location- On-site.
- 02/16/06 @ 13:00 – Cox Creek Innovative Reuse Team Meeting – Location: On-site.
- 2/22/06 @ 8:30 a. m. – Cox Creek Operations Meeting – Location: On-site.
- 2/22/06 @ 9:30 a. m. – Unloading pier construction progress meeting w/ Corman-Imbach Marine Inc. – Location: On-site.

**Cox Creek Discharge Permit:**

**Update:** The Cox Creek Discharge Permit became effective on December 1, 2004. A groundwater monitoring sampling plan was sent to MPA for review after which MPA forwarded the plan to MDE. As per MDE's request, an amendment was added to the groundwater plan and comments addressed.

**Future Tasks:**

A nutrient reduction plan is required 12 months after the first inflow. MES is coordinating with MPA in the development of the plan in coordination with the development of the HMI plan.

**Project Status Report Form***Prepared by***Harbor Development****Project Name:**

Poplar Island Environmental Restoration Project  
(This project is included under MES Open Ended Consulting EPATs)

**MPA Project Manager:**

Dave Bibb

**MES Project Manager:**

Melissa Slatnick

**Assignee(s) (Consultants/Contractors):**

Maryland Environmental Service

**Contract Period:**

01/01/04 – 01/31/05

01/01/04 – 04/10/06 (Revised February 2005)

**Budget Line #****PIN #:**

1085

54000010

**Contract #:**

500912

**Task #, Name:**

#46, PIERP Adaptive  
Mgmt. Plan (AMP)

**Project Budget (Total):**

\$292,019 (Total Budget)

\$214,367 (FY 2005)

\$85,864 (FY 2006)

**Revisions:**

None

**Revision #:**

N/A

**% Complete (Total):**

99%

**% Expended (Total):**

85%

**% Complete (Crnt. FY):**

99% (Based on revised  
SOW with most work re-  
assigned to website task)

**% Var./Balance  
(Crnt. FY):**

2%

**% Expended (Crnt. FY):**

48%

**Project Goal(s):**

- Continuation of services on the Poplar Island Adaptive Management Plan (AMP) and Project Management Plan (PMP).
- Development of the updated Poplar Island Habitat Development Framework (HDF).

**Project Objectives:**

- Provide technical support and contractor oversight for the continued development of the AMP and PMP.
- Provide revised drafts of the HDF.
- Provide support at the AMP team meetings and HDF development meetings (Habitat Sub-group Meetings).
- NEW: Implement a web-based system for adaptive management task database.

**Project Status Report Form**  
*Prepared by*  
**Harbor Development**

**Project Status – Issues/Solutions (both required):**

- **Issues**
- None.
  
- **Solutions**
- None required.

**NOTE: With the exception of the website development and maintenance subtask, all work sub-contracted under EPATS Task 46 has been completed.**

**Work related to the 2006 Poplar Island Project Management Plan and Adaptive Management Plan is performed under ERP Task 36.**

- **MES Activities:**
  - Drafted January progress report; reviewed and approved subcontractor and client invoices.
  - Incorporated adaptive management plan updates to the 2006 Version of the Habitat Development Framework.
  
- **EA Engineering, Inc. Activities:**
  - None. Sub-contracted work on this task is nearly complete with the exception of any additional MES/MPA/Corps minor website modifications through April 10, 2005 when the EA contract expires after which additional website modifications will be covered under the PIERP ERP Task 36 contract.
  
- **Future Activities:**
  - EA will continue to host the website through April 2006. (After April 2006, EA has an option on ERP Task 36 that would allow EA's continued support of the site).
  - EA will continue to provide technical support on website functions, including user assistance, through April 10, 2006.
  - EA will offer MPA and Corps private training on website usage, if requested.

**Total Contract Amount: \$292,019**

**Total January 2006 Invoice: \$3826.60**

**Total Amount Invoiced as of 02/28/06: \$248,425.64**

**Signature/Date:** David Bulw 03.29.06  
**(Project Manager)**



Date: 03.29.06

**Project Status Report Form**  
*prepared by*  
**Harbor Development**

**Project Name:** Site 92 Comprehensive Monitoring

**MPA Project Manager:** Dave Bibo

**MES Project Manager:** Elizabeth Habic

**Assignee(s) (Consultants/Contractors):**

MES  
MDE  
MGS

**Contract Period:**

05/1/98 – 06/30/2013

**Budget Line #**

**PIN #:**

**Contract #:**

**Task #, Name:**

975

52110040

599910

**Project Budget (Total):**

**Revisions:**

**Revision #:**

\$1,472,815.61 (years 1-13)

**% Complete (Total):**

**% Expended (Total):**

Year 1 & Year 2: 100%

49% (\$724,958 through February 2006)

Year 3 & Year 4: 100%

Year 5 & Year 6: 100%

Year 7: 85%

Year 8: 35%

**% Complete (FFY 06):**

**% Expended (FFY 06 Funds):**

**Var/Balance:**

FY 06 Budget: \$136,113.80

3%/\$4,520.31

97%/\$131,593.49

(FY06 budget is based on FFY06 budget of \$272,227.60  
split 50/50 with CENAP for period of 10/1/05 – 9/30/06)

**Expended during (FY 06):**

**Var/Balance:**

Total: \$33,885.12

**Project Goal(s):** Management of site monitoring activities at Site 92

**Project Objectives:** Conduct management activities of site monitoring activities at Site 92

**Project Status - Issues/Solutions (both required):**

**February:**

See attached status report

**March:**

- MES will distribute the final Year 8 Site Management Report to the PI Team.
- MES will distribute draft and final meeting summaries for the January 25<sup>th</sup> Principal Investigators (PI) Team meeting.
- MES will distribute the draft Year 7 Placement, Consolidation, and Erosion Study Report to the PI Team for review.
- MES will begin drafting the CENAP contract to extend Site 92 Monitoring through Years 9, 10, and 11 of material placement.

Date: 3/15/06

**Project Status Report Form**  
*prepared by*  
**Harbor Development**

Project Name: Site 92 Comprehensive Monitoring

Task #, Name: \_\_\_\_\_

**Project Status - Issues/Solutions (both required):**

- MES will update MPA regarding the potential dissolution of MGS and how this might affect the Site 92 work.

**PROJECT INFORMATION FOR YEAR 8 OF PLACEMENT**

Amount of Contract: \$3,417,830.22

Amount of Dredged Material:

BD Survey – 633,610 cy

Total Removed- 679,470 cy

Pay Yards- 600,738 cy

IBD Survey – 512,600 cy

Amount of Material Dredged: 871,703 cy (final contractor estimate as of 12/10/05)

Amount of Material Remaining To Be Dredged: none

Advertisement Date: July 11, 2005

Estimated Time To Complete: 71 days

NTP Issued: September 30, 2005

Weather Days: 2 (waiting for final number from CENAP)

Completion Date: 12/10/05

Signature/Date: David L. Belis 03/20/06  
(Project Manager)

Signature/Date: \_\_\_\_\_

**Project Status Report Form**  
*Prepared by*  
**Harbor Development**

Project Name: Hart-Miller Island DMCF

Task #, Name: \_\_\_\_\_

**Project Name: Hart-Miller Island DMCF****Project Manager: David Bibo****Assignee(s) (Consultants/Contractors): MES****Contract Period: 07/01/05 – 06/30/06****Budget Line #810****PIN #:500200 40****Contract #: 384002A****Task #, Name:****Project Budget (Total): \$4,206,000****Revisions:****Revision #:****February Invoice: \$245,302.34****+ \$490,000****#1- Jan 26, 2006****Year To Date: \$2,427,200.04****% Complete (Total): 66.7%****% Expended (Total): 57.7%****% Complete (Crnt FY): Var/Balance:****% Expended (Crnt FY): Var/Balance:****66.7%****33.3%****57.7%****42.3%**

**Project Goal(s): Operation of the containment facility efficiently, safely, and in compliance with the discharge permit and regulatory requirements. To place the maximum amount of dredged material in the facility prior to the closure date.**

**Project Objectives:**

- Operations of DMCF
- Complete Construction of and dedicate the South Cell Restoration Project
- HMI Well Monitoring Study, ensuring no migration of material is taking place
- Environmental Monitoring, meeting the discharge criteria
- Manage the area with 100-acre maximum pond size during inflow
- Development of a Filling Plan to maximize utilization of the North Cell
- Development of a closure plan for the North Cell

**Project Status - Issues/Solutions (both required):**

- **Temporary Berm Construction:** The temporary berm construction is complete. Current focus has turned to raising the western portion of the cross dike. That work started January 19<sup>th</sup> and is projected to continue through April 2006. Material recovery continues for stockpile purposes. Placement of material in January has progressed as planned but the temporary loss of a dump truck has occasionally slowed progress. We are awaiting the arrival of the replacement dump truck in the Spring of 2006.
- **Spillways and Discharge:** During February, the inspection staff continued 24-hour operations for most of the month, providing oversight of contractor inflow activities-- Mclean Contracting (Baltimore County projects) and Great Lakes Dredge and Dock (Corps of Engineers Federal channel maintenance as a subcontractor to Weeks Marine)-- and inspecting and monitoring the discharge from the North cell

**Project Status Report Form**  
*Prepared by*  
**Harbor Development**

Project Name: Hart-Miller Island DMCF

Task #, Name: \_\_\_\_\_

spillways. Discharge from spillways 007, 008 & 009 were closed on 2/15/06 to maximize the amount cell water reserved for the Total Suspended Solids discharge tests starting 3/6/06.

- **North Cell:**

- As noted above, discharge was stopped on all spillways for discharge testing to start on March 6 2006.
- On January 30<sup>th</sup>, MPA, MES, GBA, NewFields, MN, and UMCES held a pH-brainstorming meeting to discuss specific problems at HMI related to low pH conditions. A meeting summary was distributed on 02/01/06. The immediate action items regarding the pH issues include:
  - MES will continue to pursue the quick lime helicopter application concept;
  - MES, in conjunction with MN and NewFields, will also develop short-term plans that will include the use of a barge to slurry quick lime and circulate water through the barge and back into the North Cell for discharge;
  - The group will coordinate on decisions for increased pond water quality data collection.
- The meeting group does not anticipate a return of acidic conditions at HMI based on ~6-month interval between wetting of the area (April/May 2006 through Sept/Oct 2006). Normal crust management activities are planned to be performed this spring/summer.
- The Project Team held discussions with MDE in February 2006 to discuss modifications to the discharge permit operating procedures. As a result, the site will be operated for a 3-week test period in March 2006 to the discharge permit Total Suspended Solids limits rather than the goals. Follow-up planning meetings on this topic were held between MES, MPA, and GBA. These tests are geared towards evaluating the impacts of operation of the site to the discharge permit limits in 2006/2007 (as the site nears its final capacity) as opposed to the much lower permit goals.
- The raising of a portion of the cross dike near the pit on the West side was started and is approximately 40% complete.

- **South Cell:**

- Geo Con has completed almost all tasks and they have demobilized. The USACE is preparing a punch list for items that need to be corrected, prior to closing out the contract. Punch list items include: Ground cover did not initially prevent erosion and some washouts have occurred in the area of the footpath. Some repairs will be needed. MES will be making erosion repairs along the foot path as this is not part of the Corps of Engineers contract warranty.
- MES awarded the Spillway 3 reconstruction contract to Strum Engineering. While the initial repairs

## Project Status Report Form

Prepared by

## Harbor Development

Project Name: Hart-Miller Island DMCF

Task #, Name: \_\_\_\_\_

have been completed, additional improvements to the spillway are currently being studied and priced (see below).

- HMI staff continues to monitor the water level in the cell and pump excess water to the North cell as needed.
- **South Cell Spillway** – As indicated, the initial contract work has been completed on repairs to the South Cell Spillway. An operational inspection of the spillway on November 30<sup>th</sup> indicated that additional changes and improvements will be required to make the spillway watertight and to provide for a better means of discharge control. Repairs to spill way 003 are underway and should be completed late February to early March, with testing also in early March.
- **Capital Equipment & Other Items**: The FY 2006 HMI budget contains funds for purchase of 2 articulated dump trucks and one Long Reach Excavator. The lowest responsive bid received for the trucks was \$291,517 each. The LR Excavator bids will be opened February 21st. Currently, there is one piece of rental equipment on site - a bulldozer from Alban. A short reach excavator is also on-site on loan from Poplar Island.
- **2005/2006 Inflow Planning**: MPA, MES and GBA are working closely on detailed plans to manage, control, gather data and analyze 2005 inflow operations to insure that maximum utilization is made of the remaining capacity in the Hart-Miller Island DMCF. The same group is also looking to capture lessons learned for application at other DMCF's and for future operations at HMI.
- **Road Maintenance**: The majority of the road improvements associated with the Cr6 stone deliveries were completed around the perimeter of the South Cell during December 2005. Additional road work continues on an "as-needed" basis.
- **Marine Safety Review**: MES received the draft report on Marine Safety Review of Poplar Island, HMI and Cox Creek. We are currently coordinating our internal comments with the Safety Office. The report will be finalized and shared with MPA.

Signature/Date:

David Belo 03 29 06  
(Project Manager)

## Project Status Report Form

Prepared by

Harbor Development

Project Name: Cox Creek DMCF

Task #, Name: \_\_\_\_\_

Project Name: **COX CREEK DMCF**Project Manager: **Dave Bibb**Assignee(s) (Consultants/Contractors): **MES**Contract Period: **07/01/05 – 06/30/06**

Budget Line #880

PIN #: **53050040**Contract #: **504907**

Task #, Name:

Project Budget (Total): **\$2,066,000**

Revisions:

Revision #:

January Invoice: \$211,097.99Year To Date: \$1,155,206.81% Complete (Total): **55.9%**% Expended (Total): **55.9%**

% Complete (Crnt FY):   Var/Balance:

% Expended (Crnt FY):   Var/Balance:

**66.7%****33.3%****55.9%****44.1%**

**Project Goal(s):** Operation of the containment facility efficiently, safely, and in compliance with the discharge permit and regulatory requirements. To prepare the site for the first placement of material.

**Project Objectives:**

- Dike raising of both cells.
- Site preparation for initial inflow, to include; access channel dredging, spillway construction, facility support trailers and equipment, and unloading pier construction.
- Environmental Monitoring, submitting and receiving the discharge permit.
- Dewatering in preparation of future construction, within discharge criteria.
- Monitoring and maintenance of the Swan Creek mitigation site.

**Project Status - Issues/Solutions (both required)**

- **Material Dewatering:** The February 2006 focus has been on continuing to dewater the south cell into the north cell, and recovering and stockpiling material in the south cell for future construction of benches and dikes when the weather improves. Related work has included trenching, mixing of lime with the water, creation of sumps, clearing and grubbing the site and pushing up material, re-circulating the water in the north cell and preparing the north cell for discharge as conditions (metals and pH levels) permit.
- **Maintenance Shop:** Plans are under way to have the second waste oil furnace (175,000BTU) installed in the front half of the maintenance shop. Installation is scheduled for February. Installation was completed on 2/07/06. The county inspection is scheduled for 3/15/06.

**Project Status Report Form**  
*Prepared by*  
**Harbor Development**

Project Name: Cox Creek DMCF

Task #, Name: \_\_\_\_\_

**Construction Status:**

- **Dike Construction to 36'**: A contract for leased construction equipment, with operators, has been awarded to Consolidated Construction and Engineering. Work will start as weather conditions improve in the Spring 2006. Due to wet conditions, minimal work took place on actual dike raising this month. That work is currently estimated at approximately 10% complete. MES personnel and equipment continue to dry and stockpile material in the south cell for future construction activities.
- **Pier Construction:** The contractor, Corman-Imbach, continues to progress on this project and they have poured the entire overlay of the defective portion of the pier deck. Continue construction and driving of fender piles for the fixed personnel pier. Continue grinding/rubbing-finishing cast in place concrete on pier. Prep work continues for the installation of the personnel pier. Prep work for the installation of the fender piles continues. This project is estimated at 85% complete.

**Inflow:**

- The inflow date for the USCG dredge project has been tentatively changed from a start date of May 06 to approximately July 06.

**Cox Creek Wetland:**

- Weekly beach clean ups are continuing.
- The elevation of the beach was raised 2'. Two rows of bio-logs were placed in a tiered fashion. The inlet was also deepened to elevation -1. This greatly improved water exchange during tidal flow. This job was complete on 2/8/06.
- Sue Ricciardi conducted a bird survey at the wetlands on 2/02/06.
- Two duck hunters were discovered hunting in the middle of the wetlands. They were told that they were trespassing and to please move out of the wetlands. They replied they had a permit to hunt here. DNR police were called and three officers responded. The hunters were fined \$55.00 each for trespassing and received other warnings. No police report has been made available, but the officers did leave copies of the tickets. The MPA has asked MES to work with DNR wildlife division to possibly stop all duck hunting at Cox Creek. This is ongoing. It was decided by MPA for safety reasons to completely end all duck hunting around the Cox creek facility. DNR will be mailing the proper forms in April that will suspend all duck hunting for a three-year period. At that time, the MPA will have the option of renewing the agreement for another three-year period.

**Staffing**

- Additional advertising and further interviews are planned in Spring 2006 for the remaining permanent vacancy, an Equipment Operator with a Commercial Driver's License for over-the-road operation of the fuel truck. As of this report, only one applicant had applied and been interviewed for this position.

**Miscellaneous**

- Mitigation for the pier includes removal of some asphalt on the existing parking lot. Completion of this work has been put on hold until spring. A sub-contractor for Corman-Imbach saw cut the area and all

**Project Status Report Form**  
*Prepared by*  
**Harbor Development**

Project Name: Cox Creek DMCF

Task #, Name: \_\_\_\_\_

saw cut material has been removed from the mitigation area. The broken asphalt will eventually be placed on the exterior berm at Cox Creek. 75 loads (1,125 CY) of Domino Sugar material were placed up to eight inches from the top of the cut. MES will use topsoil or (if permissible by MDE) material from within the Cox Creek site to complete filling of the area. A native wildflower mix will be planted in the area.

- An abandoned oil pit had previously been discovered in the maintenance building. It contained several hundred gallons of waste oil and water. A local contractor has removed this material. After the pit was cleaned out, it was filled with clay and stone. The last four inches will be filled with concrete during February 2006. The pit has been filled with concrete.
- A lime doser from Aqua-Fix has been rented to help treat the pH of the water in the north cell. This doser has been inserted as part of an improved pH treatment/circulation process in the north cell. The effectiveness of the system continues to be evaluated.
- The Cox Creek Citizens Oversight Committee meeting was held from 5:00pm - 7:00pm on 2/15/06. The next meeting is scheduled for May 10th @ 5:00pm.
- MES received the draft report on Marine Safety Review of Poplar Island, HMI and Cox Creek. We are currently coordinating our internal comments with the Safety Office. We will finalize the report and share it with MPA.

Signature/Date: Dana Belo 03 29 06  
(Project Manager)



Date: 03.29.06

**Project Status Report Form**  
*Prepared by*  
**Harbor Development**

Project Name: Poplar Island Site Development

Task #, Name: \_\_\_\_\_

**Project Name: Poplar Island Site Development**

**Project Manager: David Bibo**

**Assignee(s) (Consultants/Contractors): MES**

**Contract Period: 07/01/05-06/30/06**

**Budget Line # 900**

**PIN #: 51030040**

**Contract #: 502813**

**Task #, Name:**

**Project Budget (Total): \$4,930,000**

**February Invoice : \$341,829.02**

**Year To Date: \$2,682,264.51**

**Revisions:**

**+ \$210,000**

**Revision #:**

**#1- February 13, 2006**

**% Complete (Total): 66.7%**

**% Expended: 58.1%**

**% Complete (Crnt FY):**

**Var/Balance:**

**% Expended (Crnt FY):**

**Var/Balance:**

**66.7%**

**33.3%**

**58.1%**

**41.9%**

**Project Goal(s):** Operation of the project efficiently, safely, and in compliance with the regulatory requirements. To manage the material placement for maximum capacity while meeting the objectives of the project. Development of viable environmental habitat.

**Project Objectives:**

- Environmental Monitoring, meeting the discharge criteria.
- Prepare and maintain the infrastructure for long term sustained operations.
- Conduct operations in compliance with environmental concerns.
- Recover sand for future operations.
- Develop the wetlands into a viable habitat.
- Conduct tours and site visits to tell the Poplar Island success story.

**Project Status - Issues/Solutions (both required):** The current focus of the facility is prepare all cells for 2006 inflow by Weeks Marine and to monitor erosion and repair dikes and roadways as needed. Inflow is expected to commence by mid January.

**Project Status Report Form**  
*Prepared by*  
**Harbor Development**

Project Name: Poplar Island Site Development

Task #, Name: \_\_\_\_\_

**Inflow Operations**

- Inflow began February 16, 2006.
- Cell 1D was completed on February 27<sup>th</sup>, 2006. 170,500 cubic yards was deposited into the cell.
- Weeks Marine began to load cell 1C on February 27<sup>th</sup>,
- There were 230,916 cy of material deposited by February 28, 2006.
- MES personnel cleaned up a dredge spill created when the main inflow line ruptured on February 20, 2006.
- MES continues to monitor water quality during inflow and is discharging from spillways as water quality permit.

**Cell 3D:**

- MES continues to monitor the tidal exchange in cell 3D.
- No significant slope erosion noted this month.

**Cell 5:**

- MES noticed no further settlement in the section that failed in late July. Final grades held through February 2006.
- MES continued to repair washouts along the center dike caused by several heavy rains in February.
- MES has constructed two pump pads in Cell 5A and 5B to accommodate the 12" pump. The pump is being used to lower the water level in the cells to prevent and control erosion along the perimeter walls and center dike.

**Maintenance Building:**

- Paramount Door Systems returned to the Island on February 8, 2006 to re-adjust the overhead door and repair weather stripping. The adjustments were made and the weather stripping material was ordered. MES maintenance personnel will install the weather stripping when it arrives.

**Roadway Repairs:**

- Because inflow has started and a need for CR-6 for maintenance projects supporting inflow, there is not enough CR-6 to complete the roadway repairs. MES is awaiting delivery of an additional 2000 tons of CR6.
- MES re-surfaced the Eastern dike road from the boat pier to the South side of the notch. MES also re-surfaced the area North of the boat dock along Cells 3C and 3D.

**Operations Trailers on Poplar Island:**

- A new layout plan has been prepared. Utilities relocations are necessary as well as repairs to improve the reliability, safety and efficiency of the electrical system.
- MES has schedule a meeting with the trailer supplier and all of his subs to be held at Poplar Island on March 7, 2006. It will be a pre-construction meeting to work out the details of the relocation.

**T-Weir Repairs**

- MES has completed all repairs to Spillway 1 on February 24, 2006.

Date: 03.29.06

**Project Status Report Form**  
*Prepared by*  
**Harbor Development**

Project Name: Poplar Island Site Development

Task #, Name: \_\_\_\_\_

**Fuel Farm Pad**

- MES Operations began construction of the pad for the new location of the fuel farm. As of January 31, 2006 they are 30% complete.
- Construction of the fuel farm pad has been put on hold because of a lack of suitable sand to complete the project. The fuel farm is 30% completed with 9% of the allocated funds spent.

**Marine Safety Review:**

- MES received the draft report on Marine Safety Review of Poplar Island, HMI and Cox Creek. We are currently coordinating our internal comments with the Safety Office. We will finalize the report and share it with MPA.

Signature/Date: David Bulro 032906  
(Project Manager)

**\*\*\* For Internal Use Only \*\*\***

**POPLAR ISLAND ENVIRONMENTAL RESTORATION PROJECT**  
***Environmental Monitoring Task Update***  
**February 2006**

*All tasks included in this update (except where noted) are funded from the approved FY06 Poplar Island Environmental Restoration Project Operations and Monitoring Budget. Costs associated with specific Poplar monitoring tasks are tracked separately upon requested.*

*This update does not include MES activities associated with regular operations and crust management environmental monitoring.*

**Algae Monitoring**

No activity occurred on this task in February.

**Future:** Algae monitoring will begin in April. MES will prepare sampling schedule and set up DNR contract in March.

**Habitat Development Framework/**

**Adaptive Management Plan (EPATS Task 46)**

**Update - Habitat Development Framework (HDF):** The 2004 monitoring and habitat development studies have been received. They will be reviewed and recommendations will be compiled for incorporation into the 2006 HDF version.

**Update - Adaptive Management Plan (AMP):** MES continues to manage the AMP. Under the EPATS Agreement (Task 46) and the ERP Agreement (Task 36), progress on this task is reported separately.

**MES Tasks for Reporting Period:**

- Continued updating the 2006 version of the HDF

**Future:** MES will continue to update the HDF and provide support to the Adaptive Management Team.

**Working Group (WG) Coordination**

**Update:** MES has been providing all of the planning, coordination, handouts and meeting summaries, for the bi-annual working group and sub-group meetings. MES has also been drafting the monthly WG updates, as requested by CENAB and MPA. A HSG meeting was held on February 23<sup>rd</sup>. The WG meeting has been scheduled for May 9<sup>th</sup> at PIERP.

**MES Tasks for Reporting Period:**

- Drafted the January WG update.
- Facilitated the HSG meeting.
- Drafted HSG meeting action items and meeting summary.
- Coordinated HSG meeting date and attendees.

**Future:** MES will continue to provide monthly WG updates (for distribution by the Corps).

**Poplar Exterior/Framework Monitoring**

**Update:** EA conducted the benthic tissue and community sampling in October. EA continues to review data from this sampling event. MES continues to manage the contractors performing the 2005/2006

faunal monitoring per the monitoring framework plan, and assisting the Corps with the management of their exterior monitoring contractors (NOAA, USFWS, USGS-BRD).

The 2004 Annual Report was finalized and distributed in January 2006. MES updated and distributed the Framework Monitoring Schedule based on recommendations from the Monitoring Sub-Group. MES began working on updating the description of monitoring sections of the Framework Monitoring document. During the January AMP meeting, the AMT determined that the Framework Monitoring document purposes and hypotheses also need to be updated. MES informed the HSG of this need at the February HSG meeting and will be emailing the sections to each PI for review and comments.

**MES Tasks for Reporting Period:**

- Contract management for exterior monitoring (contracts managed by MES).
- Continued to update the Framework Monitoring document.

**Future:** MES will start to coordinate with the framework monitoring researchers regarding studies that were conducted at the site in 2005. MES will contact the PI's to update the purpose and hypotheses of the Framework Monitoring document in the spring. MES will manage the appropriate contracts for the 2006 monitoring tasks.

**Cell 3D Monitoring**

**Update:** Cell 3D was open to tidal flow on March 14th. The flow meters were removed from the site in early December and the flow meter was sent out for servicing.

UMCES Cell 3D Monitoring - under the EPATS Agreement (Task 59) progress on this task is reported separately.

**MES Tasks for Reporting Period:**

- Continued drafting the 2005 Cell 3D Monitoring Report.

**Future:** MES will continue to implement the Cell 3D Monitoring Plan. MES will continue to attend Cell 3D planting progress meetings. MES will finish the Cell 3D 2005 Monitoring Report and develop the 2006 Cell 3D Monitoring Plan. MES will also coordinate with CENAB and MPA to determine if the tide gauges should be re-installed in the spring.

**Vegetation Monitoring/Control**

**Update:** MES discussed what vegetation control treatments should be implemented on the shell/pea gravel nesting islands in 2006 with the HSG at the February meeting. The treatments will be implemented in March. MES will resume the nesting island monitoring in April 2006.

**MES Tasks for Reporting Period:**

- Determined treatments needed for "unvegetated" nesting islands for 2006.

**Future:** The Nesting Island monitoring will be continued in 2006, beginning in April. MES will implement the treatment plan for the "unvegetated" nesting islands in March.

**Other**

- MES began preparing a sampling plan for the monthly nutrient sampling that will occur from April – September.
- MES drafted the quarterly website update for the MPA Safe Passage website. This update was sent to MPA for review on February 16<sup>th</sup>.
- MES prepared and submitted an abstract to the Restore America's Estuaries committee for possible inclusion in the December RAE Conference in New Orleans.

Date: February 28, 2006

## Project Status Report Form

prepared by

Gahagan &amp; Bryant Associates, Inc.

Project	Project Manager:
Dredged Material Management Consulting - Dredging	Daniel A. Wilson

Assignee(s) (Consultants/Contractors):	Contract Period:
Gahagan & Bryant Associates, Inc.	February 1 - February 28, 2006

Budget Line #	PIN #:	Contract #:	Task #, Name:
1155	54100010	502820A	Task 1 DMMP Technical Services

Project Budget (Total):	Revisions:	Revision #:
\$443,106		

% Complete (Total):	% Expended (Total):
40%	29.06%

% Complete (Crnt FY):	Var/Balance:	% Expended (Crnt FY):	Var/Balance:
50%	Favorable / 50%	50.52%	Favorable / 49.48%

## Project Goal(s)

Technical services supporting the DMMP are varied and are of an immediate and timely nature. The services are determined by MPA as on-going plans evolve and as issues develop within the local and state communities. Services to be provided require the intimate working knowledge of both the CENAB and the MPA Dredged Material Management Program needs; the Chesapeake Bay local, state and federal agency authorization processes; and the Corps of Engineers Civil Works Construction Programs.


## Project Objectives

GBA will provide qualified staff to assist the MPA with the following subtasks

- |                                       |                                            |
|---------------------------------------|--------------------------------------------|
| 1.1) DMMP Study plans and work plans  | 1.5) Evaluate New Options and Alternatives |
| 1.2) DMMP Timelines and Flow Diagrams | 1.6) Site Visits & Data Collection         |
| 1.3) DMMP Cost Estimates              | 1.7) DMMP Meetings                         |
| 1.4) DMMP Documents and Presentations | 1.8) Memorandum Reports                    |

## Project Status - Issues/Solutions (both required):

GBA provided qualified staff to attend the Management Committee Meeting on the 15th of February. GBA prepared drawings of the South Locust Point for presentation purposes for Mr. Bibo, and provided management services for Task 1.

	March 31, 2006
(Project Manager)	(Date)

Date: February 28, 2006

**Project Status Report Form**  
prepared by

**Gahagan & Bryant Associates, Inc.**

Project	Project Manager:
Dredged Material Management Consulting - Dredging	James B. Runion

Assignee(s) (Consultants/Contractors):	Contract Period:
Gahagan & Bryant Associates, Inc.	February 1 - February 28, 2006

Budget Line #	PIN #:	Contract #:	Task #, Name:
1155	54100010	502820A	Task 2 Program Management

Project Budget (Total):	Revisions:	Revision #:
\$179,105		

% Complete (Total):	% Expended (Total):
35%	34.90%

% Complete (Crnt FY):	Var/Balance:	% Expended (Crnt FY):	Var/Balance:
30%	Favorable / 70%	32.05%	Favorable / 67.95%

**Project Goal(s)**

Management of studies and design projects of this size and complexity require both a global program management arm (State of Maryland) as well as a technical program management arm (lead managers assigned by MPA). The two must function together to control expenditures and confirm deliverables, while assuring technical scopes and issues are identified and addressed. The overall program management plan will track resource allocations and schedules on both a program and projects level. Program and projects management is necessary to monitor schedules and progress, estimate funding requirements, and initiate and review contracts for studies, design and construction. The success of the DMMP program for the State of Maryland will depend on these vital factors.

**Project Objectives**

GBA will provide qualified staff to assist the MPA with the following subtasks

- |                                            |                                            |
|--------------------------------------------|--------------------------------------------|
| 2.1) Program Objectives and Project Scopes | 2.5) Progress and Cost Updates             |
| 2.2) Tracking Budgets                      | 2.6) Quarterly Program Status Reports      |
| 2.3) Coordination & Project Execution      | 2.7) Quarterly Review Meetings             |
| 2.4) Project & Program Schedules           | 2.8) Technical Program Management Meetings |

**Project Status - Issues/Solutions (both required):**

Quarterly report number 3, for the period ending December 31, 2005 was prepared and delivered in early March. Additionally, GBA requested each study team consultant review the expenditures to date, remaining budgets and effects of the shifts of scopes and timing on these budgets.

<i>James B. Runion</i>	March 31, 2006
(Project Manager)	(Date)

Date: February 28, 2006

## Project Status Report Form

prepared by

Gahagan &amp; Bryant Associates, Inc.

Project	Project Manager:
Dredged Material Management Consulting - Dredging	James B. Runion

Assignee(s) (Consultants/Contractors):	Contract Period:
Gahagan & Bryant Associates, Inc.	February 1 - February 28, 2006

Budget Line #	PIN #	Contract #	Task #, Name:
1155	54100010	502820A	Task 3 Masonville Feasibility/EIS

Project Budget (Total):	Revisions:	Revision #:
\$762,734		

% Complete (Total):	% Expended (Total):
75%	87.58%

% Complete (Crnt FY):	Var/Balance:	% Expended (Crnt FY):	Var/Balance:
75%	Favorable / 25%	73.52%	Favorable / 26.48%

## Project Goal(s)

The MPA is continuing the work done by GBA-M&N Joint Venture (JV) on the combined feasibility study and EIS for three harbor sites. Task 3 describes GBA's continuing role in the study of the Masonville site.

## Project Objectives:

GBA will provide qualified staff to assist the MPA with the following subtasks

- |                                             |                                                      |
|---------------------------------------------|------------------------------------------------------|
| 3.1) Program Objectives and Project Scopes  | 3.3) Permitting, Mitigation & Community Enhancements |
| 3.2) Tracking Budgets                       | 3.4) Project Schedule Baseline & Cost Estimates      |
| a. Establish Preliminary Design             | 3.5) Plan Formulation Alternatives Analysis          |
| b. Development of Survey & Mapping Info     | 3.6) Combined Feasibility / EIS Report               |
| c. Identification of Construction Materials | 3.7) Hydro / Topographic Surveys & Probes            |
| d. Design of Project Alternatives           | 3.8) Geotechnical Field Data & Lab Testing           |
| e. Develop Construction Procedures          |                                                      |

## Project Status - Issues/Solutions (both required):

Major Meetings: 2/1- EA meeting re: modeling and turbidity; 2/3-Air Quality; 2/6 COE-Mike Snyder re: Masonville; 2/14-Habor Sites Study Team; 2/16- MES re:Construction Services; 2/16 COE:re: turbidity and Modeling ; 2/23- Masonville Rexecutive Meeting; 2/24 MPA re:Air Quality. Emphasis continues with finalizing the DEIS for submittal. The level of detail has increased with the reviews and coordination with CENAB. Although the submittal schedule has slipped, the document should be able to better withstand agency scrutiny. The submittal schedule is now showing early May for submission. Regular meetings are held with COE to perform backchecks and coordination of sections of the document. Other work items include air quality calculations, turbidity modeling and sediment testing. The lab tests results were to be received the end of February and are running about 8 days behind. DMCF efforts are also being coordinated with MPA engineering who is spearheading infrastructure support activities.

<i>James B Runion</i>	March 31, 2006
(Project Manager)	(Date)



Date: February 28, 2006

## Project Status Report Form

prepared by

Gahagan &amp; Bryant Associates, Inc.

Project	Project Manager:
Dredged Material Management Consulting - Dredging	Scott Tracey

Assignee(s) (Consultants/Contractors):	Contract Period:
Gahagan & Bryant Associates, Inc.	February 1 - February 28, 2006

Budget Line #	PIN #:	Contract #:	Task #, Name:
1155	54100010	502820A	Task 4 Masonville Preconstruction

Project Budget (Total):	Revisions:	Revision #:
\$783,644		

% Complete (Total):	% Expended (Total):
40%	29.25%

% Complete (Crnt FY):	Var/Balance:	% Expended (Crnt FY):	Var/Balance:
45%	Favorable / 55%	90.89%	Favorable / 9.11%

## Project Goal(s)

The PED is comprised of three broad stages: (1) finalization of design, (2) preparation of plans, specifications, and engineers cost estimates, and (3) preparation of the construction bidding documents and award. The following subtasks are provided to detail and describe the workload associated with the completion of the Masonville PED.

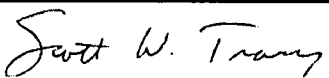
## Project Objectives

GBA will provide qualified staff to assist the MPA with the following subtasks

- |                                                                |                                                                              |
|----------------------------------------------------------------|------------------------------------------------------------------------------|
| 4.1) Project Management & Meeting Attendance                   | 4.5) Masonville Plans & Specs                                                |
| 4.2) Preconstruction Engineering & Design<br>Technical Reviews | 4.6) Geotechnical Design, Field Borings & Lab Testing<br>Report (CONTINGENT) |
| 4.3) Site Operations Manual                                    | 4.7) Community Enhancements                                                  |
| 4.4) Engineering Cost Estimates & Construction<br>Schedule     | 4.8) Masonville CDF                                                          |

## Project Status - Issues/Solutions (both required):

Borrow area sampling is still being tested. Analysis of site closure options continue. Permit application work for the project is underway, including drawings for the preparatory dredging and the DMCF.

	March 31, 2006
(Project Manager)	(Date)

Date: February 28, 2006

## Project Status Report Form

prepared by

Gahagan &amp; Bryant Associates, Inc.

Project	Project Manager:
Dredged Material Management Consulting - Dredging	James B. Runion

Assignee(s) (Consultants/Contractors):	Contract Period:
Gahagan & Bryant Associates, Inc.	February 1 - February 28, 2006

Budget Line #	PIN #:	Contract #:	Task #, Name:
1155	54100010	502820A	Task 5 Sparrows Pt. Feasibility/EIS

Project Budget (Total):	Revisions:	Revision #:
\$538,496		

% Complete (Total):	% Expended (Total):
40%	35.11%

% Complete (Crnt FY):	Var/Balance:	% Expended (Crnt FY):	Var/Balance:
50%	Favorable / 50%	84.55%	Favorable / 15.45%

## Project Goal(s)

The MPA is continuing the work done by Gahagan & Bryant Associates, Inc., Moffatt & Nichol Engineers, Joint Venture (JV) on the combined feasibility study and EIS for three harbor sites.

## Project Objectives

GBA will provide qualified staff to assist the MPA with the following subtasks

- |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>5.1) Program Objectives and Project Scopes</p> <p>5.2) <u>Engineering Elements:</u></p> <ul style="list-style-type: none"> <li>a. Test Dike Planning &amp; Design</li> <li>b. Establishment of Preliminary Design</li> <li>c. Development of Surveying &amp; Mapping</li> <li>d. Info. &amp; Feasibility Level Design Dwgs</li> <li>e. Identification of Construction Materials</li> <li>Design of Project Alternatives</li> <li>f. Development of Construction Procedures</li> </ul> | <p>5.3) Permitting, Mitigation &amp; Comm. Enhancements</p> <p>5.4) Project Schedule Baseline &amp; Cost Estimates</p> <p>5.5) Plan Formulation Alternatives Analysis</p> <p>5.6) Combined Feasibility / EIS Report</p> <p>5.7) Hydro / Topographic Surveys &amp; Probes</p> <p>5.8) Geotechnical Field Data &amp; Lab Testing</p> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Project Status - Issues/Solutions (both required):

Necessity has required Sparrows Point to be deemphasized while the extensive efforts for the Masonville DEIS are completed. Of significance is the presentation being prepared for Baltimore County. This is addressing Senator Stone's concerns. IT has focussed attention on potential use of upland sites within the Sparrows Point study site. Although some are extremely speculative and some are not meeting the goals, it is successful in exhausting alternative options and minimization efforts for this site.

<i>James B. Runion</i>	March 31, 2006
(Project Manager)	(Date)

Date: February 28, 2006

## Project Status Report Form

prepared by

Gahagan &amp; Bryant Associates, Inc.

Project	Project Manager:
Dredged Material Management Consulting - Dredging	James B. Runion

Assignee(s) (Consultants/Contractors):	Contract Period:
Gahagan & Bryant Associates, Inc.	February 1 - February 28, 2006

Budget Line #	PIN #	Contract #	Task #, Name:
1155	54100010	502820A	Task 6 BP Fairfield Feasibility/EIS

Project Budget (Total):	Revisions:	Revision #:
\$560,451		

% Complete (Total):	% Expended (Total):
45%	60.19%

% Complete (Crnt FY):	Var/Balance:	% Expended (Crnt FY):	Var/Balance:
70%	Favorable / 30%	72.36%	Favorable / 27.64%

## Project Goal(s)

The MPA is continuing the work done by Gahagan & Bryant Associates, Inc., Moffatt & Nichol, and EA on the combined feasibility study and EIS for BP Fairfield..

## Project Objectives

GBA will provide qualified staff to assist the MPA with the following subtasks

- |                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>6.1) Project Management &amp; Meeting Attendance</p> <p>6.2) <u>Engineering Elements:</u></p> <ul style="list-style-type: none"> <li>a. Establishment of Preliminary Design</li> <li>b. Development of Surveying &amp; Mapping Info. &amp; Feasibility Level Design Drawings</li> <li>c. Identification of Construction Materials</li> <li>d. Design of Project Alternatives</li> <li>e. Development of Construction Procedures</li> </ul> | <p>6.3) Project Schedule Baseline &amp; Cost Estimates</p> <p>6.4) Plan Formulation Alternatives Analysis</p> <p>6.5) Combined Feasibility / EIS Report</p> <p>6.6) Hydro / Topographic Surveys &amp; Probes</p> <p>6.7) Geotechnical Field Data &amp; Lab Testing</p> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Project Status - Issues/Solutions (both required):

The Feasibility Study report for BP Fairfield is continuing , however, the pace has slowed due to the emphasis being placed on completion of the Masonville DEIS. A final Draft geotechnical report has been received. Upon GBA's internal review, the Geotechnical report will be issued for review to the study team. Approximately 95% of this month's current invoice is for geotechnical work

<i>James B Runion</i>	March 31, 2006
(Project Manager)	(Date)

Date: 2/01/06-2/28/06

**Project Status Report Form**  
*prepared by*  
**Harbor Development**

**Project Name:**

Open Ended Contract for Dredged Material  
 Management Support - Environmental  
 Engineering Services

**Project Manager:** Frank Pine**MPA Project Manager:** Steve Storms**Assignee(s) (Consultants/Contractors):**

EA Engineering, Science, and Technology, Inc.

**Contract Period:** 3/01/05 – 2/28/09**Budget Line #****PIN #:****Contract #:****Task #, Name:**

1290

54110010

502820B

Task 1, DMMP Technical  
Services**Project Budget (Total):****Revisions:** 0**Revision #:**Original: \$138,306; Total: \$138,306INVOICE  
AMOUNTTOTAL  
TO DATEAUTHORIZED  
AMOUNTREMAINDER  
TO DATE% to  
date%  
remaining

\$1,111.31

\$25,495.51

\$138,306.00

\$112,810.49

18%

82%

**% Var./Balance  
(Crnt. FY)****% Expended (Crnt.  
FY)****% Expended (Crnt.  
FY)****%Var./Balance**

20%

80%

18%

82%


**Project Goal(s):** This Task Order is to cover significant additional work for support of the DMMP.

**Project Objectives:** Attend BEWG meetings; attend citizens committee and management committee meets as requested; provide support in completing the DMMP reports and legislative reports; assist in a variety of support services for the State DMMP process and related tasks

**Project Status - Issues/Solutions (both required):** We are continuing to support the Harbor Site Studies and Mitigation Identification, Poplar Island Expansion, and the Mid-Bay Island Plan NEPA process under separate contracts/tasks. Attended one BEWG meeting (1 staff). EA Staff provided minor follow-up support for the meeting and some assistance in preparations for the meeting for the next period. EA has also been providing some derelict vessel remediation support under this task and some management time was also accrued.

Date: 2/01/06-2/28/06

**Project Status Report Form**  
*prepared by*  
**Harbor Development**

Signature/Date:  3/24/06  
(Project Manager)

Date: 2/01/06-2/28/06

**Project Status Report Form**  
*prepared by*  
**Harbor Development**

**Project Name:**

Open Ended Contract for Dredged Material  
 Management Support - Environmental  
 Engineering Services

**Project Manager:** Frank Pine**MPA Project Manager:** Steve Storms**Assignee(s) (Consultants/Contractors):**

EA Engineering, Science, and Technology, Inc.

**Contract Period:** 3/01/05 – 12/31/06**Budget Line #****PIN #:****Contract #:****Task #, Name:**

1290

54110010

502820B

Task 3, Masonville  
Feasibility/EIS**Project Budget (Total):****Revisions:** 0**Revision #:**Original: \$451,369; Total: \$451,369

INVOICE AMOUNT	TOTAL TO DATE	AUTHORIZED AMOUNT	REMAINDER TO DATE	% to date	% remaining
\$42,744.72	\$421,259.18	\$451,369.00	\$30,109.82	93%	7%
<b>% Complete (Crnt. FY)</b>	<b>% Var./Balance (Crnt. FY)</b>	<b>% Expended (Crnt. FY)</b>	<b>%Var./Balance</b>		
85%	15%	93%	7%		

**Project Goal(s):** To complete the necessary studies required to support the completion of a feasibility/EIS; develop mitigation options and permit support documents; complete the required NEPA documentation for this site.

**Project Objectives:** Conduct field investigations and prepare data reports; provide support in preparing and completing the feasibility/EIS for Masonville; attend Harbor site meetings (Harbor Team, Public Scoping/outreach, PDT, and Corps and JE Committee meetings) including presentation development.

**Project Status - Issues/Solutions (both required):** Masonville EIS document preparation continued throughout the period. EA staff worked through this period to resolve Corps and MDE comments and prepare versions of various chapters for Corps back check. Several new sections were developed in response to initial Corps comments and data that was not expected to be available for the DEIS (in December) was incorporated as it became available. EA staff submitted revised sections to the Corps and met twice with the Corps on EIS issues during this period. EA staff worked with PDT via conference calls to continue to refine mitigation options for Masonville, which involved several meeting/conference calls. EA staff attended one Harbor PDT meeting (2 staff), which focused on the EIS document. Some mixing zone (sediment plume) costs that may have been accrued on this task, although most of the task is funded under a separate but related MES task.

Date: 2/01/06-2/28/06

**Project Status Report Form**  
*prepared by*  
**Harbor Development**

Project Name: Open Ended Contract for Professional Environmental Engineering Services

Task #, Name: Task 3, Masonville Feasibility/EIS

**Issue:** This task is out of funds currently due, in large part, to the accelerated schedule and additional work not anticipated during scoping of the project. Additional scope items included more iterations of the draft EIS and release of the document to MDE and other agencies in advance of permit application. The Corps has also requested additional work in some areas of the document and project. This has resulted in numerous meetings, production costs, additional staff, and gathering/analysis of additional data beyond what was anticipated in the original scoping for this project. It is anticipated that some funds will need to be transferred to this task from one of the other tasks.

Signature/Date:  
(Project Manager)



3/24/06

Date: 2/01/06-2/28/06

**Project Status Report Form**  
*prepared by*  
**Harbor Development**

**Project Name:**

Open Ended Contract for Dredged Material  
 Management Support - Environmental  
 Engineering Services

**Project Manager:** Frank Pine**MPA Project Manager:** Steve Storms**Assignee(s) (Consultants/Contractors):**

EA Engineering, Science, and Technology, Inc.

**Contract Period:** 3/01/05 – 2/28/09**Budget Line #****PIN #:****Contract #:****Task #, Name:**

1290

54110010

502820B

Task 5, Sparrows Point  
Feasibility/EIS**Project Budget (Total):****Revisions:** 0**Revision #:**Original: \$411,711; Total: \$411,711

INVOICE AMOUNT	TOTAL TO DATE	AUTHORIZED AMOUNT	REMAINDER TO DATE	% to date	% remaining
\$639.32	\$13,032.02	\$411,711.00	\$398,678.98	3%	97%
<b>% Complete (Crnt. FY)</b>	<b>% Var./Balance (Crnt. FY)</b>	<b>% Expended (Crnt. FY)</b>	<b>%Var./Balance</b>		
3%	97%	3%	97%		

**Project Goal(s):** To complete the necessary studies required to support the completion of a feasibility/EIS; develop mitigation options; complete the required NEPA documentation for this site.

**Project Objectives:** Conduct field investigations and prepare data reports; provide support in preparing and completing the feasibility/EIS for Sparrows Point; attend Harbor site meetings (Harbor Team, public outreach and PDT meetings) including presentation development.

**Project Status - Issues/Solutions (both required):** Little activity this period. EA staff attended one general Harbor Sites progress meeting (2 staff members). EA staff addressed several questions relative to Sparrows Point in support of other PDT staff meeting with citizen's groups.



Date: 2/01/06-2/28/06

**Project Status Report Form**  
*prepared by*  
**Harbor Development**

Project Name: Open Ended Contract for Professional Environmental Engineering Services

Task #, Name: Task 5, Sparrows Point Feasibility/EIS

Signature/Date:  
(Project Manager)



3/24/06

Date: 2/01/06-2/28/06

**Project Status Report Form**  
*prepared by*  
**Harbor Development**

**Project Name:**

Open Ended Contract for Dredged Material  
 Management Support - Environmental  
 Engineering Services

**Project Manager:** Frank Pine**MPA Project Manager:** Steve Storms**Assignee(s) (Consultants/Contractors):**

EA Engineering, Science, and Technology, Inc.

**Contract Period:** 3/01/05 – 12/31/06**Budget Line #****PIN #:****Contract #:****Task #, Name:**

1290

54110010

502820B

Task 6, BP/Fairfield  
Feasibility/EIS**Project Budget (Total):****Revisions:** 0**Revision #:**Original: \$93,483; Total: \$93,483**% Complete (Total):** 25%**% Expended (Total):** 75%

INVOICE AMOUNT	TOTAL TO DATE	AUTHORIZED AMOUNT	REMAINDER TO DATE	% to date	% remaining
\$2,344.36	\$23,228.79	\$93,483.00	\$70,254.21	25%	75%

**% Complete (Crnt.  
FY)****% Var./Balance  
(Crnt. FY)****% Expended (Crnt.  
FY)****%Var./Balance**

25%

75%

2%

75%

**Project Goal(s):** To complete the necessary studies required to support the completion of a feasibility/EIS; develop mitigation options; complete the required NEPA documentation for this site.

**Project Objectives:** Conduct field investigations and prepare data reports; provide support in preparing and completing the feasibility/EIS for BP-Fairfield; attend Harbor site meetings (Harbor Team, public outreach and PDT meetings) including presentation development.

**Project Status - Issues/Solutions (both required):** EA staff attended one general Harbor Sites progress meeting (2 staff members). EA staff provided minor edits to the BP-Fairfield sections of the 2005 Feasibility Report. In addition, EA staff began to pull together information to address the Wastewater Treatment Plant Outfall adjacent to/within the newest alignment and 2 staff met with GBA on this issue during this period.

Date: 2/01/06-2/28/06

**Project Status Report Form**  
*prepared by*  
**Harbor Development**

Project Name: Open Ended Contract for Professional Environmental Engineering Services

Task #, Name: Task 6, BP/Fairfield Feasibility/EIS

Signature/Date: \_\_\_\_\_  
(Project Manager)



3/24/06

Date: March 13, 2006

**Project Status Report #11**

*prepared by*

**Moffatt & Nichol**

**Project:**

Dredged Material Management Consulting – Coastal

**Project Manager:**

Peter W. Kotulak

**Assignee(s) (Consultants/Contractors):**

M&N, SAIC, Chesapeake Environmental Mgmt

**Contract Period:**

1/01/06 – 1/28/06

**Budget Line #**

**PIN #:**

**Contract #:**

502820C

**Task #, Name:**

3, Masonville Feasibility/  
Environmental Impact

**Project Budget (Total):**

\$420,614.00

**Revisions:**

None

**Revision #:**

N/A

**% Complete (Total):**

87%

**% Expended (Total):**

87%

**% Complete (Crnt FY):**

87%

**Var/Balance:**

0%

**% Expended (Crnt FY):**

87%

**Var/Balance:**

0%

**Project Goal(s):**

Preparation of the Feasibility/Environmental Impact Statement (EIS) Document to obtain regulatory agency approval to construct the Masonville Dredged Material Containment Facility (DMCF).

**Project Objectives:**

Undertake a data collection program in the Patapsco River and Chesapeake Bay to provide information on baseline hydrodynamic conditions and for hydrodynamic model calibration and verification. Science Applications International Corporation (SAIC) will serve as subconsultant to provide, deploy, and monitor the instrumentation. Prepare mitigation options that will be required to compensate for filling in the water and covering existing sediments both onsite and offsite. Provide technical input into addressing the concerns of the regulatory agencies in regard to obtaining the necessary environmental permits. Provide engineering support for community enhancement items not addressed through mitigation process. Chesapeake Environmental Management will serve as subconsultant for this subtask. Perform hydrodynamic, salinity, residence time, and sedimentation modeling to evaluate impacts of project on surrounding environment. The results of all the modeling studies will be presented in a Hydrodynamic Numerical Modeling Report. Pertinent findings from the hydrodynamic, salinity, residence time, and sedimentation modeling will be incorporated in the Feasibility/EIS.

**Project Status - Issues/Solutions (both required):**

Continued work for the Masonville DMCF on preparing the Draft Environmental Impact Statement (EIS). Assisted in responding to review comments from the U.S. Army Corps of Engineers (USACE) and revising text. Continued developing mitigation and community enhancement plans.



(Project Manager)

March 13, 2006

(Date)

Date: March 13, 2006

**Project Status Report #11**

*prepared by*  
**Moffatt & Nichol**

**Project:**

Dredged Material Management Consulting – Coastal

**Project Manager:**

Peter W. Kotulak

**Assignee(s) (Consultants/Contractors):**

M&N, Chesapeake Environmental Mgmt

**Contract Period:**

1/01/06 – 1/28/06

**Budget Line #**

**PIN #:**

**Contract #:**

502820C

**Task #, Name:**

4, Masonville  
Preconstruction  
Engineering and Design

**Project Budget (Total):**

\$570,067.00

**Revisions:**

None

**Revision #:**

N/A

**% Complete (Total):**

31%

**% Expended (Total):**

31%

**% Complete (Crnt FY):**

31%

**Var/Balance:**

0%

**% Expended (Crnt FY):**

31%

**Var/Balance:**

0%

**Project Goal(s):**

Preparation of the Final Design and Contract Documents for construction of the Masonville Dredged Material Containment Facility (DMCF), Community Enhancements and Mitigation Projects.

**Project Objectives:**

Prepare Basis of Design for coastal protection, retention structures, spillways, barge unloading facilities and community enhancement/mitigation projects. Provide final engineering design and contract documents including construction drawings, specifications and cost estimates. Prepare submittals at 30, 90 and 100 percent levels of completion. Chesapeake Environmental Management will serve as subconsultant for this subtask.

**Project Status - Issues/Solutions (both required):**

Continued work and studies for the Masonville DMCF including plans and specifications. Continued design work for containment structures including dikes and cofferdams. Attended design meetings with project team to discuss project planning and development for DMCF construction and community enhancement/mitigation projects. Attended accelerated feasibility and design meetings with Harbor Development and Engineering to discuss project status and coordinate DMCF project with MPA Engineering Capital projects. Continued with design studies for mitigation projects including reef creation, environmental education center and terrestrial habitat enhancement and cleanup.

*Peter W. Kotulak*

(Project Manager)

March 13, 2006

(Date)

Date: March 13, 2006

**Project Status Report #11**  
*prepared by*  
**Moffatt & Nichol**

**Project:**

Dredged Material Management Consulting – Coastal

**Project Manager:**

Peter W. Kotulak

**Assignee(s) (Consultants/Contractors):**

M&N, E2CR, Biohabitats, Ecologix

**Contract Period:**

1/01/06 – 1/28/06

**Budget Line #**

**PIN #:**

**Contract #:**

502820C

**Task #, Name:**

5, Sparrows Point DMCF  
Feasibility/  
Environmental Impact

**Project Budget (Total):**

\$629,293.00

**Revisions:**

None

**Revision #:**

N/A

**% Complete (Total):**

7.5%

**% Expended (Total):**

7.5%

**% Complete (Crnt FY):**

7.5%

**Var/Balance:**

0%

**% Expended (Crnt FY):**

7.5%

**Var/Balance:**

0%

**Project Goal(s):**

Preparation of the Feasibility/Environmental Impact Statement Document to obtain regulatory agency approval to construct the Sparrows Point Dredged Material Containment Facility (DMCF).

**Project Objectives:**

Refine the coastal protection designs for the alternate dike alignments that are still under consideration for both the main DMCF cell and for the Wetland Cell. Perform physical model testing upon approval from MPA. MN will coordinate with the testing facility to insure that the model tests meet the study objectives. The results of the coastal engineering studies including any model testing will be presented in a Coastal Engineering Report. In conjunction with subconsultant E2CR and GBA, prepare Basis of Design contract documents for test dike. Prepare mitigation options that will be required to compensate for filling in the water and covering existing sediments both onsite and offsite. Provide technical input into addressing the concerns of the regulatory agencies in regard to obtaining the necessary environmental permits. Provide engineering support for community enhancement items not addressed through mitigation process. Biohabitats and Ecologix will serve as subconsultants for this subtask. Perform hydrodynamic, salinity, residence time, and sedimentation modeling to evaluate impacts of project on surrounding environment. The results of all the modeling studies will be presented in a Hydrodynamic Numerical Modeling Report. Pertinent findings from the hydrodynamic, salinity, residence time, and sedimentation modeling will be incorporated in the Feasibility/EIS. It is proposed to develop the main DMCF cell into a marine terminal once site filling has been completed. Accordingly, the containment structure along the west perimeter will be designed so that it can be incorporated into a future marginal wharf. Alternate retention structures to be evaluated include: armored sand dike, stepped rock dike, steel cofferdam cells, and braced steel master pile wall. This evaluation will consider both the initial retention structure and the future berth. Phasing of construction will be addressed due to the poor foundation conditions. The findings of this study will be incorporated into an Alternate DMCF Retention Structure Report. Additional subsurface investigations are required to refine alignments, verify soil conditions, and define quantities. These investigations will consist of borings, probes, cone penetration tests, vane shear tests, and laboratory tests. A supplementary subsurface investigation program will be submitted to MPA for review and approval prior to initiating field work. The findings of the investigation program along with the results of the geotechnical analyses will be documented in a report. This subtask will be performed by subconsultant E2CR.

**Project Status - Issues/Solutions (both required):**

Attended project meetings to discuss design and mitigation related issues.

Peter W. Kotulak

(Project Manager)

March 13, 2006

(Date)

Date: March 13, 2006

**Project Status Report #11**  
*prepared by*  
**Moffatt & Nichol**

**Project:**

Dredged Material Management Consulting – Coastal

**Project Manager:**

Peter W. Kotulak

**Assignee(s) (Consultants/Contractors):**

M&N, Chesapeake Env. Mgmt., Ecologix

**Contract Period:**

1/01/06 – 1/28/06

**Budget Line #**

**PIN #:**

**Contract #:**

502820C

**Task #, Name:**

6, BP-Fairfield DMCF  
Feasibility/  
Environmental Impact

**Project Budget (Total):**

\$210,664.00

**Revisions:**

None

**Revision #:**

N/A

**% Complete (Total):**

3.3%

**% Expended (Total):**

3.3%

**% Complete (Crnt FY):**

3.3%

**Var/Balance:**

0%

**% Expended (Crnt FY):**

3.3%

**Var/Balance:**

0%

**Project Goal(s):**

Preparation of the Feasibility/Environmental Impact Statement Document to obtain regulatory agency approval to construct the BP-Fairfield Dredged Material Containment Facility (DMCF).

**Project Objectives:**

Refine the coastal protection designs for the alternate dike alignments that are still under consideration for the DMCF and document results in a Coastal Engineering Report. Collect additional data, as required, to supplement the data collection effort outlined in Subtask 3.2. These data will include current velocity/direction, suspended sediments, salinity, and temperature. Prepare mitigation options that will be required to compensate for filling in the water and covering existing sediments both onsite and offsite. Provide technical input into addressing the concerns of the regulatory agencies in regard to obtaining the necessary environmental permits. Provide engineering support for community enhancement items not addressed through mitigation process. Chesapeake Environmental and Ecologix will serve as subconsultants for this subtask. Perform hydrodynamic, salinity, residence time, and sedimentation modeling to evaluate impacts of project on surrounding environment. The results of all the modeling studies will be presented in a Hydrodynamic Numerical Modeling Report. Pertinent findings from the hydrodynamic, salinity, residence time, and sedimentation modeling will be incorporated in the Feasibility/EIS. Additional subsurface investigations are required to refine alignments, verify soil conditions, and define quantities. These investigations will consist of borings, probes, cone penetration tests, vane shear tests, and laboratory tests. Provide input relative to formulation of the subsurface investigation program, review of the Geotechnical Report, and implementation of recommendations on dike construction and borrow sources.

**Project Status - Issues/Solutions (both required):**

Attended design meetings with the project team to discuss overall project status.

  
(Project Manager)

March 13, 2006  
(Date)



Date: March 13, 2006

**Project Status Report #11**  
*prepared by*  
**Moffatt & Nichol**

**Project:**

Dredged Material Management Consulting – Coastal

**Project Manager:**

Peter W. Kotulak

**Assignee(s) (Consultants/Contractors):**

M&N, Biohabitats

**Contract Period:**

1/01/06 – 1/28/06

**Budget Line #**

**PIN #:**

**Contract #:**

502820C

**Task #, Name:**

7, Poplar Island  
Expansion – GRR  
Evaluation

**Project Budget (Total):**

\$209,086.00

**Revisions:**

None

**Revision #:**

N/A

**% Complete (Total):**

32%

**% Expended (Total):**

32%

**% Complete (Crnt FY):**

32%

**Var/Balance:**

0%

**% Expended (Crnt FY):**

32%

**Var/Balance:**

0%

**Project Goal(s):to**

Preparation of a General Reevaluation Review (GRR) for the expansion of Poplar Island to obtain funding authorization through a Water Resources Development Act (WRDA).

**Project Objectives:**

Review the GRR as regards concepts, alternatives, alignments, and analyses for the Poplar Island Expansion (PIE) currently being performed by CENAB, focusing on dike sections, coastal protection, and impacts on tidal hydrodynamics, sedimentation, morphological change, wave refraction/diffraction and wave energy distribution. Provide input that will be used to develop plans for placement of dredged material within the expansion area and creation of tidal wetlands. Perform hydrodynamic, salinity, residence time, and sedimentation modeling to evaluate impacts of project on surrounding environment. The results of all the modeling studies will be presented in a Hydrodynamic Numerical Modeling Report. Using the model, evaluate morphological changes in the vicinity of the project and assess the potential for long-term accumulation of sediments in the area. Model and evaluate wave refraction/diffraction and wave energy distribution differences for existing and with-project conditions. The results of all the modeling studies will be presented in a Hydrodynamic Numerical Modeling Report. Pertinent findings from the hydrodynamic, salinity, residence time, and sedimentation modeling will be incorporated in the GRR.

**Project Status - Issues/Solutions (both required):**

Continued review of final GRR received from CENAB. Worked on preparing report for the Value Engineering (VE) phase to be conducted in 2006. Performed coastal and numerical modeling studies to evaluate expansion plan and MPA design.

*Peter W. Kotulak*

(Project Manager)

March 13, 2006

(Date)

Date: March 15, 2006  
For Period: 2/01/06 – 2/28/06

Maryland Port Administration  
Project Status Report Form  
*prepared by*  
Maryland Environmental Service

**Project Name:** EPATS TASK 2 – Technical Support

**Project Manager:** MPA – Dave Bibo  
MES – Tammy Banta

**Assignee(s) (Consultants/Contractors):**  
MES  
General Physics

**Contract Period:** January 1999 – June 2007

**Task Term:** May 1999 – June 2007

**Reporting Period:** February 2006

<b><u>Budget Line #</u></b>	<b><u>PIN #:</u></b>	<b><u>Contract #:</u></b>	<b><u>Task #, Name:</u></b>
1085	54000010	500912	0302 – Technical Support

**Project Budget (Total):**

\$956,611

**Revisions:**

\$ 100,000 added 8/00  
\$ 100,000 added 6/01  
\$ 100,000 added 10/01  
\$ 100,000 added 04/02  
\$ 200,000 added 09/02  
\$16,000 added 03/03  
\$200,000 added 06/05  
\$44,479 added 01/06

**Revision #:**

1  
2  
3  
4  
5  
6  
7  
8

**% Complete (Total):**

Ongoing – tasks assigned as needed by MPA

**% Expended (Total):**

87.4%

**\$ Expended (Crnt FY06):**

\$149,523.67

**Project Goal(s):** To provide support to MPA for dredged material planning.

**Project Objectives:** To meet the general technical support needs of MPA for DMMP planning, innovative use projects, meeting facilitation, and project management.

**Project Status - Issues/Solutions:**

Report Period: February 1 through February 28, 2006

February 2006:

- MES submitted the monthly status report for January on February 15<sup>th</sup>.
- MES continued support to the DMMP process by maintaining the BEWG list-serve and facilitating the February 7<sup>th</sup> BEWG meeting. MES prepared and distributed a draft meeting summary on February 23<sup>rd</sup>. Preparations began for the March 7<sup>th</sup> BEWG meeting.
- MES continued to manage the General Physics contract for State DMMP meeting summaries.
- MES continued to manage the MPA/MES/MGS Coastal Geology Services IGA for MPA.
- MES performed project management duties related to record keeping, review, processing and recording of invoices and production of the status report for the month of January.
- MES attended a meeting with Moffatt & Nichol to discuss the scope of work for TSA Task 6: pH Treatment Plans.
- MES began proposal development for TSA Task 7 – HMI North Cell Closure Prefeasibility Study.
- MES developed a proposal for TSA Task 1 – Technical Services and Project Planning Support and submitted to MPA on February 2<sup>nd</sup>. This task will serve as the global technical and project planning support task to the overall TSA agreement, much like Tasks 1 and 2 under the EPATS agreement. MPA authorization was received on February 13, 2006.
- MES submitted a request for authorization to add Rick Sheckells (Ecologix Group) to TSA Task 4 - State DMMP Community Outreach and Public Involvement Support task on February 3, 2006. MPA authorization was received on February 13, 2006.
- MES attended the Management Committee Meeting on February 15<sup>th</sup>.
- MES closed EA's contract on EPATS Subtask 47.2 of the Federal DMMP on February 24, 2006
- MES coordinated with MPA to provide meeting summary and conference support services on the 3<sup>rd</sup> Annual Science Meeting for Chesapeake Marshlands Restoration and the Chesapeake Bay Marsh Restoration Workshop to be performed on March 8 and 10. Additionally, MES coordinated with USFWS staff to set up a tour of the facility by MES staff on March 9<sup>th</sup>.
- On February 28<sup>th</sup>, MES attended a meeting at MD DNR to continue planning for the Chesapeake Marshlands Restoration meeting and workshop.
- MES reviewed the Blackwater website and provided comments.
- MES submitted a request for authorization for scope amendment, budget increase, and name change on TSA Task 4 Outreach, Policy, and Technical Services on February 22, 2006. MPA authorization was received on March 1, 2006.

Future Work Anticipated in March 2006:

- MES will continue to support the State DMMP process. MES will coordinate with MPA on items to be discussed at the next BEWG meeting scheduled for March 7<sup>th</sup> and prepare a draft agenda. MES will facilitate and prepare a meeting summary of this meeting.

- MES will complete the development of a proposal for TSA Task 7 – HMI North Cell Closure Prefeasibility Study and submit the proposal to MPA in March.
- On March 2, MES will attend a conference call to continue planning for the Chesapeake Marshlands Restoration Conference.
- MES will attend the 3<sup>rd</sup> Annual Science Meeting for Chesapeake Marshlands Restoration on March 8<sup>th</sup>.
- MES will attend the Chesapeake Bay Marsh Restoration Workshop on March 10<sup>th</sup> and produce summaries of the afternoon breakout sessions.
- MES will prepare for and attend the Citizens' Advisory Committee Meeting on March 15<sup>th</sup>.
- MES will proceed with closing out EPATS Task 47 and Task 50.

**Invoiced for February: \$26,725.34**  
**Invoiced to Date up to February 28, 2006: \$835,738.26**  
**Remaining as of February 28, 2006: \$120,827.74**

## **Sparrows Point**

### **EPATS TASK 31 MONTHLY PROGRESS REPORT**

**Project:** Sparrows Point  
**MPA Project Manager:** Steve Storms  
**Reporting Period:** February 2006  
**MPA Contract No.:** 500912  
**MPA PIN:** 54000010  
**MDOT Budget Line #:** 1085  
**Contract Amount for Task 31:** \$365,833  
**Contract Term:** 01/01/99 – 6/30/07  
**Task Term:** 07/24/02 – 12/31/05

#### **Subtask 31.8 Task Planning, Technical, Environmental and Administrative Services (MES)**

This report documents status of activities related to the Sparrows Point and Masonville engineering and technical support. This subtask was authorized in February 2005 to provide conceptual level planning, dredging engineering design, and cost estimates for the Sparrows Point and Masonville Terminal concepts.

#### **Task Status**

During the month of February, MES provided project and task management services including preparation and submittal of the monthly status report to MPA and review and process of Subcontractor invoice. There was no invoice from GBA and no invoice from MES. MES received a progress status report from GBA for this month and GBA had no activity during the month of February. Future forecasted work for this project includes terminal concepts for Sparrows Point and supporting geotechnical test and research. Below is a Subtask status update provided by GBA for the month of February:

- Subtask 31.5 – Project and Task Management  
Preparation of status report
- Subtasks 31.6 – 31.10  
No activity

**Total Amount of February Invoice to MPA:**

**Task 31 - \$ 0**

**Total Amount Invoiced to MPA to date as of this Invoice:**

**Task 31 - \$262,034.67**

**Contract Amount Remaining as of February 28, 2006 Invoice:**

**Task 31 - \$ 103,798.33**

## **Site Maintenance Work at Masonville**

### **EPATS TASK 35 MONTHLY PROGRESS REPORT**

**Project:** Site Maintenance Work at Masonville

**MPA Project Manager:** John Vasina

**Reporting Period:** February 2006

**MPA Contract No.:** 500912

**MPA PIN:** 54000010

**MDOT Budget Line #:** 1085

**Contract Amount for Task 35:** \$690,977

**Contract Term:** 01/01/99 – 6/30/07

**Task Term:** 09/09/02 – 06/30/06

#### **Task 35 Rough Grading and Phragmites Suppression at Masonville**

This report documents status of activities related to the site maintenance work at Masonville incorporating MES and MES subcontracted services of procured aerial application of phragmites suppression chemicals and clearing, grubbing and grading field work.

At the time of this progress report, there is no current activity at the site. All requirements of the task scope of work have been completed. The task remains open for any follow-up site maintenance work requested by the Maryland Port Administration.

#### **Task Status**

During the month of February, MES provided project and task management services including:

- Preparation and submittal of monthly status report to MPA.
- No field activity.

**Total Amount of February Invoice to MPA:**

**Task 35 - \$0**

**Total Amount Invoiced to MPA to date as of this Invoice:**

**Task 35 - \$684,995.52**

**Contract Amount Remaining as of February 28, 2006:**

**Task 35 - \$5,981.48**

## **Masonville Engineering and Technical Support**

### **EPATS TASK 37 MONTHLY PROGRESS REPORT**

**Project:** Masonville Engineering and Technical Support

**MPA Project Manager:** John Vasina

**Reporting Period:** February 2006

**MPA Contract No.:** 500912

**MPA PIN:** 54000010

**MDOT Budget Line #:** 1085

**Contract Amount for Task 37:** \$451,734

**Contract Term:** 01/01/99 – 06/30/07

**Task Term:** 07/15/03 – 06/30/06

#### **Subtask 37.13 Task Planning, Technical, Environmental and Administrative Services (MES)**

This report documents the status of activities related to the engineering and technical services for the expansion of the Masonville Dredged Material Containment Facility (DMCF). These services include: development of a Cost/Benefit analysis for filling a 5 acre wet basin; evaluation of alternative DMCF retention structures near pier 3; evaluation of the 48" water main line relocation; project management for the development of the Masonville and Fairfield Terminals; and technical support on field engineering investigations and surveys.

#### **Task Status**

During the month of February, MES provided project and task management services including:

- Preparation and submittal of monthly status report to MPA.
- Review and process of subcontractor invoices and progress submittals.

The February invoice to MPA in the amount of \$11,955.35 includes an invoice from M&N for January. The invoice for M&N services for the month of February as provided are listed below. The invoice from M&N for these services is forthcoming:

- Subtask 08: Wet Basin Cost/Benefit Analysis  
**February:** Filling of Wet Basin to be included on EIS, however implementation will be delayed pending availability of funding.
- Subtask 09: Alternate DMCF Retention Structure  
**February:** No activity.
- Subtask 10: 48" Water Line Relocation  
**February:** 35% Design submitted. RK&K is proceeding with preparation of 65% design submittal.

- Subtask 11: Masonville DMCF Program Management  
**February:** Provided coordination and oversight of several design consultants. Updated master schedule. Conducted monthly Masonville status meeting with MPA.
- Subtask 12: Masonville Phase 2 Storm Drain Relocation  
**February:** Proceeding with preparation of 85% design submittal. Coordinating supplemental geotechnical and survey investigations that are required to support the design effort. Coordinating effort with WBCM design of additional storm drain relocation.

**Total Amount of February Invoice to MPA:**

**Task 37 – \$12,234.10**

**Total Amount Invoiced to MPA to date as of this Invoice:**

**Task 37 - \$ 346,831.74**

**Contract Amount Remaining as of February 28, 2006 Invoice:**

**Task 37 - \$104,902.26**



**Federal Dredged Material Management Plan (DMMP) Support Monthly Progress Report**  
**(Task 47)**

**Project: Federal Dredged Material Management Plan (DMMP) Support**  
**Period: February 2006**  
**MPA Contract No.: 500912**  
**MPA PIN: 54000010**  
**MDOT Line Number: 1085**  
**MPA Project Manager: Steve Storms**  
**Contract Amount: \$46,181.07**

**Subtask 47.1: Task Planning, Technical, Environmental and Administrative Services (MES)**

- MES prepared and submitted a monthly status report to MPA on February 15<sup>th</sup>.
- MES submitted a letter to EA requesting no further billing to Task 47.

**Future Work Anticipated in March:**

- MES will submit a monthly status report in mid-March.
- MES will submit the formal request to close Task 47 to MPA for approval.

**Subtask 47.2: Subcontracted Services for Technical Support for the Federal Dredged Material Management Plan Development (EA Engineering, Science, & Technology, Inc. (EA))**

- EA reported no activity during the month of February.

**Future Work Anticipated in March:**

- There is no work anticipated for EA during the month of March.

**Invoiced for February 2006: \$83.67**

**Total Amount Invoiced to MPA as of February 28, 2006 Invoice:**  
**Task 47 – \$35,684.71**

**Contract Amount Remaining as of February 28, 2006 Invoice:**  
**Task 47 – \$10,496.16**

**Grant Assistance**

**EPATS TASK 53 MONTHLY PROGRESS REPORT**

**Project:** Grant Assistance  
**MPA Project Manager:** Steve Storms  
**Reporting Period:** February 2006  
**MPA Contract No.:** 500912  
**MPA PIN:** 54000010  
**MDOT Budget Line No.:** 1085  
**Contract Amount for Task 53:** \$49,678.80

**Subtask 53.1 Task Planning, Technical, Environmental and Administrative Services (MES)**

- MES continued to research grants for the Masonville Program Coordinator.
  - MES submitted a monthly status report to MPA on February 15<sup>th</sup>.
- Future Work Anticipated in March 2006:
- MES will correspond with Carol Eshelman of Brooklyn and Curtis Bay Coalition (BCBC) concerning the status of the France Merrick Foundation grant, Chesapeake Bay Trust grant, and the William J. Baker, Jr. Memorial Fund grant.
  - MES will forward updates to the three previously outstanding Masonville Program Coordinator grant applications to MPA in early March.
  - MES will continue to research grants for the Masonville Program Coordinator and prepare additional grant applications, depending on the outcome of the three pending applications.
  - MES will correspond with Chesapeake Bay Trust (CBT) and BCBC to receive an update on the BCBC Capacity Building grant application.
  - MES will submit monthly status report to MPA.

**Total Amount Invoiced to MPA in February Invoice:**  
**Task 53 - \$207.46**

**Total Amount Invoiced to MPA to date as of this Invoice:**  
**Task 53 - \$13,195.42**

**Contract Amount Remaining as of February 28, 2006 Invoice:**  
**Task 53 - \$36,483.38**

**EPATS TASK 51 MONTHLY PROGRESS REPORT**

**Project:** Underwater Archeological Surveys and Pipeline Identification in the Baltimore Harbor

**MPA Project Manager:** Steve Storms

**Reporting Period:** February 2006

**MPA Contract No.:** 500912

**MPA PIN:** 54000010

**MDOT Budget Line No.:** 1085

**Contract Amount for Task 51:** \$144,784.91

**Contract Term:** 01/01/99 – 6/30/07

**Task Term:** 09/01/04 – 6/30/06

**Subtask 51.1 Task Planning, Technical, Environmental and Administrative Services (MES)**

This report documents status of activities related to the underwater archeological surveys and pipeline identification in the Baltimore Harbor. This information is being collected to assist MPA in planning future Harbor placement options. This progress report provides updates for the previous month, the current month, and forecasts future anticipated work and meetings.

**January 2006**

During the month of January, MES consulted with Susan Langley, SHPO, in regard to the new alignments for the wetland cell at the proposed Sparrows Point site. It was determined that one potential ship wreck, the 1900 wreck, possibly lies within the proposed alignment of the wetlands cell and would have to be investigated further if the Sparrows Point site is to proceed as a potential placement site.

**February 2006**

MES did not receive an invoice from Goodwin. No further invoices are expected at this time. There have been some discussions between MES, MPA, and COE, about using the survey data from Masonville for a predredge investigation of UXO at the Masonville site.

**Total Amount Invoiced to MPA in February 28, 2006 Invoice:**

**Task 51 -\$ 222.60**

**Total Amount Invoiced to MPA to date as of this Invoice:**

**Task 51 -\$ 69,528.87**

**Contract Amount Remaining as of February 28, 2006 Invoice:**

**Task 51 - \$ 75,256.13**

**TSA Task 2: MASONVILLE UPLAND, SEDIMENT AND BORROW SOURCE SAMPLING & ANALYSIS MONTHLY PROGRESS REPORT**

**Project: Masonville Sampling and Analysis**

**MPA Contract No.: 506918**

**MPA Project Managers: Steve Storms**

**Contract Amount: \$260,263 (includes \$20k in contingent funds)**

**Contract Term: November 2005 – June 2006**

**Period: February 2006**

**MPA PIN: 54140010**

**MDOT Line No: 1171**

**Subtask 2.1- Task Planning, Technical, Environmental and Administrative Services (MES)**

- On February 9<sup>th</sup>, MES received a status report from EA.
- On February 15<sup>th</sup>, MES submitted a status report to MPA.
- MES coordinated with EA to provide information on HMI for use in responding to questions on Masonville.

Future Work Anticipated in March:

- MES will receive a monthly status report from EA.
- MES will submit a status report to MPA mid-March.
- MES will receive reports from EA on findings to review.

**Subtask 2.2- Subcontracted Services (EA)**

***Subtask 2.2.1– Masonville Upland Waste Sampling and Wetland Evaluation***

- Final results of upland soil sampling have been provided by EBA Engineering and they have forwarded a Draft Final report. Some of the sampled material is significantly contaminated. Results of upland sampling are being incorporated into the Masonville DEIS.

Future Work Anticipated in March/April:

- Wetland delineations will be conducted in the spring.
- EA will forward the EBA report to MES mid-March.

***Subtask 2.2.2 – Masonville Surficial Sediment Elutriate Testing***

- EA completed several DREDGE modeling runs using various inputs to simulate the surficial sediment and borrow material grain-sizes as well as the dredge type and dredging conditions for both overburden removal and dike construction. For dike construction, discharges along the dike line were also modeled. Preliminary results were shared with the MPA, MES, the USACE and several members of the PDT at a meeting at the Corps. Based upon input at the meeting, EA finalized the modeling using average tidal conditions and representative grain-sizes in order to simplify the results for the DEIS. A modeling appendix was prepared and submitted to MPA and MES and the results were incorporated into the Masonville DEIS.

Future Work Anticipated in March:

- EA will continue to incorporate results into the DEIS as needed.

***Subtask 2.2.3 – Masonville Borrow Sand Characterization***

- Sand borrow analysis commenced during this period.

Future Work Anticipated in March:

- Results will be received and summarized.

**Invoiced for February 2006: \$41,322.04**

**Total Amount Invoiced as of February 28, 2006: \$73,672.68**

**Contract Amount Remaining as of February 28, 2006: \$186,590.32**

## **HARBOR TECHNICAL SUPPORT MONTHLY PROGRESS REPORT**

**Project: Harbor Technical Support**

**Period: February 2006**

**MPA Contract No.: 500912**

**MPA PIN: 54000010**

**MPA Project Managers: Steve Storms**

**MDOT Line No: 1085**

**Contract Amount: \$ 627,592 (includes \$70k in contingent funds)**

**Contract Term: June 2005 – June 2006**

### **Subtask 56.1- Task Planning, Technical, Environmental and Administrative Services (MES)**

- In early February, MES received a monthly status report from UMCES.
- MES assisted EA with providing information on the public meetings for the Draft EIS.
- MES also coordinated with EA to provide information on equipment utilization at MES dredged material placement sites (for use in calculating air emissions for the Masonville DMCF).
- MES prepared responses to the questions posed by EA regarding impacts to HMI water quality from inflow of the Masonville DMCF borrow area overburden.
- MES coordinated with EA on the Masonville permitting table to address all comments received.
- MES continued to try and obtain more information from EA/Corps on the distribution list and quantity needed for the Draft EIS.
- MES coordinated with GBA to provide information from the cultural studies regarding debris within the footprint of Masonville.
- MES corresponded with MPA on consolidating all Ecologix's RFP tasks B-E to the TSA Task 4.
- On February 2<sup>nd</sup>, MES met with Ecologix to discuss MBE attainment and status on task and drafted highlights/action items.
- On February 3<sup>rd</sup>, MES revised the Masonville permitting table to address additional comments and submitted it to the team.
- On February 7<sup>th</sup>, MES received a monthly status report from Ecologix.
- On February 8<sup>th</sup>, MES submitted the draft highlights/action items from the February 2<sup>nd</sup> meeting to Ecologix for review.
- On February 14<sup>th</sup>, MES attended the monthly Harbor PDT meeting at GBA.
- On February 15<sup>th</sup>, MES submitted a monthly status report to MPA.
- On February 16<sup>th</sup>, MES prepared for and attended a meeting at USACE to discuss Masonville DMCF Turbidity. MES drafted highlights/action items for this meeting and
- On February 27<sup>th</sup>, MES held a conference call with EA, M&N, and MPA to discuss the Masonville UXO sweep and the dredging schedule. This same day, MES submitted draft highlights/action items from the February 16<sup>th</sup> meeting to the team for review/comment.

#### **Future Work Anticipated in March:**

- MES will submit the final highlights/action items from the February 16<sup>th</sup> meeting to the team.
- MES will attend the team meeting on March 14<sup>th</sup>.
- MES will submit a monthly status report to MPA mid-March.
- MES will submit a request to MPA to close subtask 56.3 for subcontracted services and reallocate funds to subtask 56.1.8 and return of the remaining balance to the General EPATS Agreement.

### **Subtask 56.2- Subcontracted Services (UMCES)**

- In early February, UMCES submitted a monthly status report to MES.
- UMCES provided revisions and new text for Masonville EIS cumulative impacts section
- On February 14<sup>th</sup>, UMCES participated in the JV/PDT meeting.

#### **Future Work Anticipated in March:**

- UMCES will revise draft Sparrows Point/BP feasibility report as necessary.
- UMCES will review the Draft Masonville EIS Chapters 1-3 and provide comments, as appropriate.
- UMCES will participate in the March 14, 2006 JV/PDT meeting.
- UMCES will submit a monthly status report in early March.

**Subtask 56.3- Subcontracted Services (Ecologix)**

- All work beginning with February will be on the Technical Services Agreement (TSA) Task 4 status report.

Future Work Anticipated in March:

- There will no longer be any work performed under this task; all work will now be performed under TSA Task 4 per MPA's approval on March 1, 2006.

**Invoiced for February 2006:           \$33,646.93**

**Total Amount Invoiced as of February 28, 2006:           \$176,780.61**

**Contract Amount Remaining as of February 28, 2006:       \$450,811.39**

## MID-BAY ISLAND FEASIBILITY MONTHLY PROGRESS REPORT

**Project: Mid-Bay Island Feasibility Study**

**Period: February 2006**

**MPA Contract No.: 504804**

**MPA PIN: 52280020**

**MPA Project Managers: Steve Storms/Nat Brown**

**MDOT Line No: 1040**

**Contract Amount (Tasks 1-5, and 8-12): \$2,277,461.77\* (excludes \$103,730.52 of contingent funds)**

**Contract Term: November 11, 2005 to June 30, 2007**

### **Task 1-Contract and Project Management (MES, EA & GBA)**

#### ***Subtask 1.1 – Task Planning, Technical, Environmental and Administrative Services (MES)***

- MES continued to coordinate on all aspects of this study with EA and GBA.
- MES received a January monthly status update from EA on February 8<sup>th</sup>.
- MES received a January monthly status update from GBA on January 31<sup>st</sup>.
- On February 15<sup>th</sup>, MES submitted a status report for the month of January.

**Future Work Anticipated in March:**

- MES will continue to coordinate with EA and GBA on all aspects of this study.
- MES will prepare for and attend the PDT meeting on March 7<sup>th</sup>. MES will produce a meeting summary of this meeting and distribute it to the team.
- MES will submit a monthly status report in mid-March.

#### ***Subtask 1.2- Subcontracted Services for the Mid-Bay Island Project Management Plan (PMP)***

##### ***Support (EA)***

- EA submitted a January status report on February 8<sup>th</sup>.

**Future Work Anticipated in March:**

- EA will submit a monthly status report in early March.

#### ***Subtask 1.3- Subcontracted Services for the Mid-Bay Island Project Management Plan (PMP)***

##### ***Support (GBA)***

- GBA submitted a January status report on January 31<sup>st</sup>.

**Future Work Anticipated in March:**

- GBA will submit a monthly status report in early March.

### **Task 2– Public Involvement (MES)**

- MES participated in a conference call with the Corps on February 1<sup>st</sup> regarding preparation for the upcoming public meetings.
- MES began to draft a presentation to be used at the Mid-Bay public meetings.
- MES drafted the ads to be used for the public scoping meetings.
- MES began drafting the frequently asked questions to be used at the public meetings.
- MES contacted the volunteer fire department in Taylors Island to determine their availability to hold public meetings.

**Future Work Anticipated in March:**

- MES will coordinate with the Corps on items needed for the public meetings.
- MES will continue drafting the frequently asked questions to be used at the public meetings.
- MES will continue to draft a presentation to be used at the Mid-Bay public meetings.



### **Task 3 – Environmental Field Studies and Consolidated Environmental Report (MES, Harms, BBL, AMA)**

#### **Subtasks 3.1 – 3.8 (James Island):**

##### *Subtask 3.1 - Task Planning, Technical, Environmental and Administrative Services (MES)*

- No activity during this period.

##### *Future Work Anticipated in Future:*

- A portion of the funds remaining in this task has been earmarked for use towards a possible site visit to James and/or Barren Island in or around June.

##### *Subtasks 3.2-3.7 Subcontracted Services for Feasibility-Level Environmental Conditions Studies for a Potential Island Restoration Project at James Island – Third and Fourth Seasons of Sampling (Harms)*

- Task is completed. No further activity to report.

##### *Subtask 3.8 Subcontracted Services for Pop Netting at James Island (AMA)*

- Task is completed. No further activity to report.

#### **Subtasks 3.9 – 3.16 (Barren Island):**

##### *Subtask 3.9 Task Planning, Technical, Environmental and Administrative Services (MES)*

- Task is completed. No further activity to report.

##### *Subtask 3.10 – 3.15: Subcontracted Services for Feasibility-Level Environmental Conditions Studies for a Potential Island Restoration Project at Barren Island – Third and Fourth Seasons of Sampling (BBL)*

- Task is completed. No further activity to report.

##### *Subtask 3.16: Subcontracted Services for Pop Netting at Barren Island (AMA)*

- Task is completed. No further activity to report.

### **Task 4 – Cultural Studies (MES, PCI)**

##### *Subtask 4.1 & 4.2 - Contract and Project Management (MES) & Subcontractor's Scope of Services (PCI)*

- Task is completed. No further activity to report.

### **Task 5 – Economic Studies (MES/UMCES)**

- UMCES submitted a status report to MES on February 3<sup>rd</sup>.
- UMCES continued preparing GIS databases for incorporation in 3-D visualizations.

##### *Future Work Anticipated in March:*

- UMCES will gather spatial and other information from project team members to create and refine scenarios of James Island development.
- UMCES will begin developing 3-D models of James Island and outputs for public outreach activities.
- UMCES will continue discussions regarding whether a Barren Island 3-D model is warranted.

- UMCES will submit a monthly status report in early March.

#### **Task 8- EIS (MES)**

- MES coordinated with the Corps on needed revisions to the EIS and to determine the latest schedule for the document to go to out to the public.
- MES coordinated with EA and the Corps to obtain distribution lists that were used for the Poplar Island Expansion Study SEIS.
- MES developed a database in Access for the distribution list of the Mid-Bay EIS

Future Work Anticipated in March:

- MES will assist as needed with revising any text of the EIS as requested by the Corps.
- MES will refine the database in Access for the ultimate distribution of the EIS to the public. MES will coordinate with EA and the Corps to get the lists to work from.

#### **Task 9- Mid-Bay Island and Other Related Dredged Material Management Plan (DMMP) Options Communications and Public Outreach Plan (MES/AMA)**

- MES received a monthly status report from AMA on February 8<sup>th</sup>.

Future Work Anticipated in March:

- No activity anticipated at this time.

#### **Task 10 - Coastal Monitoring and Modeling Support at James Island (MES/BBL)**

- BBL and MES attended the conference call on the Mid-Bay modeling report on February 21<sup>st</sup>. MES recorded action items and highlights for this meeting. A draft of the action items and highlights was submitted to the team for review on February 28<sup>th</sup>.
- BBL submitted the draft final coastal monitoring and modeling framework outline to MES.
- BBL rearranged modeling data and the summary files associated with the three James Island alternative runs.
- BBL made requested revisions to the appendices of the modeling report.
- On February 7<sup>th</sup>, BBL submitted a monthly status report to MES.

Future Work Anticipated in March:

- BBL will submit a monthly status report in early March.
- MES and BBL will review the revised integrated draft version of the modeling report.
- MES will submit the final action items and highlights from the February 21<sup>st</sup> conference call to the team.

#### **Task 11 - Coastal Monitoring and Modeling Support at Barren Island (MES/AMA)**

- AMA submitted a monthly status report for the month of January on February 8<sup>th</sup>.
- AMA and MES attended the conference call on the Mid-Bay modeling report on February 21<sup>st</sup>. MES recorded action items and highlights for this meeting. A draft of the action items and highlights was submitted to the team for review on February 28<sup>th</sup>.
- AMA coordinated with staff from MES, MPA and the Baltimore District Corps of Engineers.
- AMA made requested revisions to the appendices of the modeling report.
- MES completed reviewing the draft modeling report and provided comments on January 10<sup>th</sup>.

Future Work Anticipated in March:

- AMA will submit a monthly status report in early March.
- MES and AMA will review the revised integrated draft version of the modeling report.
- MES will submit the final action items and highlights from the February 21<sup>st</sup> conference call to the team.

#### **Task 12 - Process Numerical Modeling (MES/ERDC)**

- ERDC revised the draft report based on comments received and reformatted and reviewed three report appendices submitted by contractors.
- ERDC coordinated with contractors on appendix content.
- ERDC began seeking examples of metadata files.
- ERDC and MES attended the conference call on the Mid-Bay modeling report on February 21<sup>st</sup>. MES recorded action items and highlights for this meeting. A draft of the action items and highlights was submitted to the team for review on February 28<sup>th</sup>.
- ERDC reviewed and commented on the action items and highlights from the 21<sup>st</sup> meeting.
- ERDC submitted a request for additional funding for this task in late February.
- MES coordinated with MPA and the Corps to gain preliminary approval for the request for additional funding for ERDC.

#### **Future Work Anticipated in March:**

- MES will submit a formal request to MPA for additional funds for ERDC in early March. Once MES receives MPA approval, MES will proceed with completing the necessary paperwork to complete the task increase.
- ERDC will submit the complete integrated draft report to the team electronically, and with hard copy sent to individual agencies and contractors.
- ERDC will receive review comments and revise the draft report.
- ERDC will provide guidance on metadata needed to accompany data generated in this study and distribute to the team.
- ERDC will begin creation of DVD data compilations.
- MES will review the revised version of the modeling report.
- MES will submit the final action items and highlights from the February 21<sup>st</sup> conference call to the team.

**Invoiced for February 2006:            \$10,040.41**

**Total Amount Invoiced as of February 28, 2006:            \$1,748,566.38**

**Contract Amount Remaining as of February 28, 2006:            \$546,176.39**

#### **Task 8 (EIS):**

77% Complete (Total through Crnt. FY 06)

23% Var./Balance (through Crnt. FY06)

**Project Status Report:** to 02/28/06

**Project Manager:** John Vasina



**Fiscal Year 2006**

<b><u>No.</u></b>	<b><u>Line No.</u></b>	<b><u>PIN#</u></b>	<b><u>Contract #</u></b>	<b><u>Description</u></b>
1	785	55000010	597849	C&D Pre-Construction Eng. Design
2	950	52080040	597827	Oyster Reseeding Program
3	1005	52210040	502814	Chesapeake Bay Ports System
4	1010	52160020	500829	UM Current Meter Study
5	1015	52240020	502821	UM Economic Studies
6	1055	52170020	501918	UM Ballast Water Study
7	1085	54000010	500912	Task #35 Site Maint. Work at Masonville
8	1085	54000010	500912	Task #37 Masonville Expansion
9	1085	54000010	500912	Task #41 Bolivar Levees at Masonville
10	1095	54010510	598819	Dredged Material Recycling (Agricultural Use)
11	1125	54010740	500910	MDE Ballast Water Program
12	1155	54100010	502820A1	Blackwater Nat'l Wildlife Refuge Pl.
13	1170	54130010	502820D1	Analysis of Benefits of Dredging of 50' Channel

**Project Status Report Form**  
*Prepared by John Vasina*  
**Harbor Development**

**Project Name:**

**C&D Pre-Construction Engineering Design**

**Project Manager:**

**John Vasina**

**Assignee(s) (Consultants/Contractors):**

**U.S. Army Corps of Engineers**

**Contract or Task Period:**

**04/23/97 – 09/30/02 (original)**

**Budget Line #**

**785**

**PIN #:**

**600104-B**

**Contract #:**

**597849**

**Task #, Name:**

**Project Budget (Total):**

**\$1,250,400 (as of point of study suspension in FY '01)**

**Revisions:**

**Revision #:**

**% of Work Complete (Total):**

**100.00% (as of point of study suspension in FY '01)**

**% Expended \$ (Total):**

**99.97% (as of point of study suspension in FY '01)**

**% of Work Complete  
(Crnt. FY):**

**0%**

**% Var./Balance:**

**0%**

**% Expended \$ (Crnt.  
FY):**

**0%**

**% Var./Balance:**

**0%**

**Project Goal(s):**

**To determine optimal design of the C&D Canal deepening project and to undertake an economic evaluation of the project to justify the project's implementation.**

**Project Objectives:**

**To complete the Pre-construction, Engineering and Design phase of the Chesapeake & Delaware (C&D) Canal deepening project.**

**Project Status - Issues/Solutions (both required):**

**Issues:**

- ♦ **The economic evaluation, if based on the currently available information, would reflect number of negative trends that are short term in nature. Therefore, it would not constitute a suitable basis for making a long term decision pertaining to the project.**

**Project Status Report Form**

*Prepared by John Vasina*  
**Harbor Development**

**Solutions:**

- ♦ Secretary John Porcari recommended to Lt. Colonel Brown of the Philadelphia District Corps of Engineers in his letter of January 16, 2001 to defer consideration of the economic justification of the project until a number of additional factors can be appropriately considered. (including: Vessel operating costs; temporary decline in the number of container vessel arrivals at the Port of Baltimore; shipping industry trends, etc.). The Corps agreed to follow Secretary's recommendation and the project was postponed by three years to allow more representative, long term trends, to be considered.
- ♦ MPA procured consultant (Dr. John Martin) to investigate the economic feasibility and justification for C&D Canal deepening. Dr. Martin is scheduled to complete his investigations approximately in July 2004.
- ♦ John Martin's study was completed in September and is currently under pier review.
- ♦ The Corps of Engineers is in process of issue their C&D report.

Signature/Date: \_\_\_\_\_

(Project Manager)

*John Vasina* 03-27-06

**Project Status Report Form**  
*Prepared by John Vasina*  
**Harbor Development**

**Project Name:**

**Oyster Reseeding Program**

**Project Manager:**

**John Vasina**

**Assignee(s) (Consultants/Contractors):**

**Department of Natural Resources**

**Contract or Task Period:**

**06/01/02 – 06/30/05**

**Budget Line #**

**950**

**PIN #:**

**52080040**

**Contract #:**

**597827**

**Task #, Name:**

**Project Budget (Total):**

**\$19,625,000**

**Revisions:**

**\$4,875,000**

**Revision #:**

**2**

**% of Work Complete (Total):**

**80.00%**

**% Expended \$ (Total):**

**75.16%**

**% of Work Complete  
(Crnt. FY):**

**45.00%**

**% Var./Balance:**

**55.00%**

**% Expended \$ (Crnt.  
FY):**

**0.00%**

**% Var./Balance:**

**100.00%**

**Project Goal(s):**

**To provide large quantities of shells for habitat restoration of oyster population in the Chesapeake Bay.**

**Project Objectives:**

**To increase oyster population in the Chesapeake Bay.**

**Project Status - Issues/Solutions (both required):**

**Issues:**

- ♦ Program was originally structured so that each dollar was awarded for each cubic yard of dredged material that was placed in an open water site in the Bay. Under the current Agreement, the MDOT contributions to the Oyster Recovery program were scheduled to end in FY '02.
- ♦ DNR's George Hearlth provided invoices for the FY 2003 activities in the amount of \$1,625,000.

**Project Status Report Form**  
*Prepared by John Vasina*  
**Harbor Development**

**Solutions:**

- ♦ New Agreement was executed between MDOT and DNR that will secure funding of the program through FY 2005. Beginning in FY 2002, MDOT shall pay to DNR annual payment of \$1.625M from the Transportation Trust Fund.
- ♦ DNR's repayment of any funds previously advanced to by MDOT is forgiven.
- ♦ Continuation of the program funding was re-authorized in July, 2003 by MDOT.
- ♦ Description of the program is being placed on the MPA web-site.
- ♦ Billing by DNR is expected in March 2004 for the FY 2004.
- ♦ DNR is being contacted (Chris Judy) to bill for FY '04 funds.
- ♦ DNR submitted invoice in the amount of \$1.625M for FY 2004 activities.
- ♦ DNR also submitted report pertaining to the fund expenditures in FY 2004 as required by the MDOT/DNR Agreement.
- ♦ The contract will expire June 30, 2005; needs to be extended (if applicable).
- ♦ Draft memo to the Secretary is being drafted to obtain instruction if the contract should be terminated or extended to future years.
- ♦ Chris Judy of DNR will submit FY 05 invoice in April.
- ♦ Meeting with DNR and MDOT was held in June 2005 pertaining to the three-year amendment to the existing contract. The three-year extension was signed by Secretaries of MDOT and DNR in July, 2005.

Signature/Date: \_\_\_\_\_

(Project Manager)



**Project Status Report Form**  
*Prepared by John Vasina*  
**Harbor Development**

**Project Name:**

**Chesapeake Bay Ports System**

**Project Manager:**

**John Vasina**

**Assignee(s) (Consultants/Contractors):**  
**The National Oceanic and Atmospheric Administration**

**Contract or Task Period:**

**10/25/01 – 10/25/06**

**Budget Line #**

**1005**

**PIN #:**

**52210040**

**Contract #:**

**502814**

**Task #, Name:**

**Project Budget (Total):**

**\$1,575,650**

**Revisions:**

**Revision #:**

**% of Work Complete (Total):**  
**77.00%**

**% Expended \$ (Total):**  
**97.04%**

**% of Work Complete (Crnt. FY):**

**50.00%**

**% Var./Balance:**

**50.00%**

**% Expended \$ (Crnt. FY):**

**100.00%**

**% Var./Balance:**

**0.00%**

**Project Goal(s):**

**To support safe and efficient navigation by providing ship masters and pilots with accurate real-time information required to avoid groundings and collisions.**

**Project Objectives:**

**To design, install, manage on ongoing basis, operate, maintain, and repair NOAA's Upper Chesapeake Bay Physical Oceanographic Real-Time System (PORTS).**

**Project Status - Issues/Solutions (both required):**

**Issues:**

- ♦ **New centralized voice system was implemented during the month of March, 2002. The system was installed in Silver Spring, MD, complete with full back up, and providing local (Silver Spring) and toll-free numbers to cover each PORTS.**
- ♦ **MPA needs current update of the status.**

**Solutions:**

- ♦ **MPA executed an Addendum to the contract to finance operation and maintenance in FY '04 (cost: \$215K);**

**Project Status Report Form**  
*Prepared by John Vasina*  
**Harbor Development**

- ♦ MPA approved the new centralized voice system on February 20, 2002.
- ♦ The toll free number assigned to the PORTS Chesapeake Bay site is (866) 247-6787
- ♦ Richard Permenter of NOAA gave the update at Harbor Coordination & Safety Committee meeting on October 2, 2002.
- ♦ Meeting took place in May with NOAA and Md. Pilots to discuss issues pertaining to PORTS system in the Chesapeake Bay.
- ♦ Richard Permenter is permanently retiring in August, 2003. David MacFarland became new NOAA PORTS Program Manager.
- ♦ Kate Bosley is working full-time in another program and she is no longer involved in PORTS activities.
- ♦ Meeting with Md. Pilots and NOAA took place on November 7, 2003. Dave McFarland of NOAA discussed issues with MPA and Pilots that were raised by Pilots before retirement of Rich Permenter of NOAA.
- ♦ PORTS system begin fully implemented in the Chesapeake Bay area in February, 2004
- ♦ There is a plan for celebration of the implementation of the system at the Secretary's level with NOAA.
- ♦ MPA Office of Communication will continue planning of the celebration; per Darlene Frank, this task will be assigned to other communications personnel after departure of Richard Berkow.
- ♦ MPA contacted NOAA in May pertaining to the FY 2004 O&M invoice. NOAA will provide MPA with approximately \$215K invoice in June 2004.
- ♦ Meeting is planned for July, 2004 with NOAA, Maryland Pilots and MPA to discuss issue pertaining to safety navigation in the Chesapeake Bay.
- ♦ MPA accrued the \$215K expenditures for FY 2004.
- ♦ The new Addendum to the Agreement for 2004 was executed in September, 2004.
- ♦ Marty Welch of NOAA was contacted at (301) 713-2897, ext. 129 in January, 2005 to obtain an accrued bill from NOAA to cover FY 2005 cost of maintenance of the system.
- ♦ The FY 2005 bill from NOAA was paid in June 2005.
- ♦ Installation of additional air gap sensors under Chesapeake Bay bridge is in process and the cost will be added to FY 2006 maintenance billings (approx. \$90K increase).
- ♦ The Addendum 003 for operation and maintenance period from May 1, 2005 through April 30, 2006 was signed on 10/18/05. Maintenance invoice was paid 11/08/05.
- ♦ NOAA provided MPA with a presentation report in December 2005.

Signature/Date: \_\_\_\_\_

(Project Manager)

**Project Status Report Form**  
*Prepared by John Vasina*  
**Harbor Development**

**Project Name:**

UM Current Meter Study

**Project Manager:**

John Vasina

**Assignee(s) (Consultants/Contractors):**

University of Maryland

**Contract or Task Period:**

05/31/00 – 06/30/06

**Budget Line #**

1010

**PIN #:**

52160020

**Contract #:**

502829

**Task #, Name:****Project Budget (Total):**

\$553,701

**Revisions:****Revision #:****% of Work Complete (Total):**

82.00%

**% Expended \$ (Total):**

87.31%

**% of Work Complete  
(Crnt. FY):**

45.00%

**% Var./Balance:**

55.00%

**% Expended \$ (Crnt.  
FY):**

92.18%

**% Var./Balance:**

7.78% (favorable)

**Project Goal(s):**

To enhance the present shipboard-based Monitoring Program with continuous data to aid the detection of long term change in the Bay ecosystem and to forecast water levels currents and weather over the Chesapeake Bay area that will assist in vessel navigation and environmental work for the State's dredged material management program.

**Project Objectives:**

The purpose of this contract is to allow the University of Maryland Center for Environmental Studies to consult, deploy and maintain a Chesapeake Bay Observing System (CBOS) for the MPA.

**Project Status - Issues/Solutions (both required):****Issues:**

- ♦ The final report will be delivered on or before September 30, 2005 to the MPA. MPA will request interim progress report at the end of the FY 2002.
- ♦ The project was necessary to support open water placement of dredged material. The project's contract will expire 06/30/06. Do we need to extend this contract I a

**Project Status Report Form**  
*Prepared by John Vasina*  
**Harbor Development**

view of circumstances.

**Solutions:**

- ♦ MPA will contact Dr. William Boicourt in Spring, 2003 to request the interim progress report.
- ♦ Dr. Boicourt requested no cost extension to 06/30/06 to implement Bay-wide effort for surface wave measurements. MPA has granted the no cost extension on March 21, 2005.
- ♦ MPA contacted Dr. Staver in December 2005. UMCES will provide written report to MPA explaining the justification of the extension of study beyond 06/30/06.
- ♦ Dr. Boicourt provided MPA with a written report on February 22<sup>nd</sup>.

Signature/Date: \_\_\_\_\_

(Project Manager)

*John Vasina* 03-27-06

**Project Status Report Form**  
*Prepared by John Vasina*  
**Harbor Development**

**Project Name:**

**UM – Economic Studies**

**Project Manager:**

**John Vasina**

**Assignee(s) (Consultants/Contractors):**

**University of Maryland (Dr. Dennis King)**

**Contract or Task Period:**

**02/01/02 – 01/31/06**

**Budget Line #**

**1015**

**PIN #:**

**52240020**

**Contract #:**

**502821**

**Task #, Name:**

**Project Budget (Total):**

**\$1,476,419**

**Revisions:**

**\$349,000**

**Revision #:**

**5**

**% of Work Complete (Total):**

**55.00%**

**% Expended \$ (Total):**

**58.27%**

**% of Work Complete  
(Crnt. FY):**

**60.00%**

**% Var./Balance:**

**40.00%**

**% Expended \$ (Crnt.  
FY):**

**59.25%**

**% Var./Balance:**

**40.75% (favorable)**

**Project Goal(s):**

**To support selection of the dredged material placement sites to be included in the Governor's Strategic Plan for dredged material management .**

**Project Objectives:**

**To create an economic model that would address comparison of the costs, risks, and benefits of dredged material management options.**

**Project Status - Issues/Solutions (both required):**

**Issues:**

- ♦ **MPA requested report for the work done to date.**
- ♦ **Dr. King asked for the Amendment to the contract to continue work to January 31, 2004.**
- ♦ **Dr. King requested meeting with MPA to discuss issues pertaining to the cost/benefit ratios allocations for the DMMP suggested placement options, the Inner Harbor sites economic issues, and the issues pertaining to the economic study of the ballast water issue.**
- ♦ **Deputy Director for Harbor Development, Mr. Frank Hamons, introduced the issue**

**Project Status Report Form**  
*Prepared by John Vasina*  
**Harbor Development**

and need to prepare a comparison of projects with high first costs for construction, etc. with the projects that allow the spread of costs associated with the project evenly for the duration.

**Solutions:**

- ♦ Dennis King delivered the requested report in April, 2003.
- ♦ MPA approved Amendment #1 in December 2002.
- ♦ Several meetings took place in October to address economic issues pertaining to the Strategic Plan.
- ♦ Dr. King submitted to MPA proposal of the scope of work, under the Amendment #2 to the existing contract, to continue work in Year 3 on the project.
- ♦ Amendment #2 to the contract was executed in December 2003 for \$320,879 with time extension to 01/31/05.
- ♦ Meetings with Dennis King and MPA take place each month to discuss the issues pertaining to the Corps' economic analysis and other economics issues related to DMMP program.
- ♦ Dr. King's staff is involved in economic analysis of the Poplar Island expansion; the meeting with the Corps are scheduled to take place in May.
- ♦ Various frequent meetings are scheduled to discuss Corps DMMP and prepare presentations and analysis.
- ♦ Dr. King's staff is working with MES on economics analysis for Mid-Chesapeake Bay and Poplar Expansion projects.
- ♦ Dr. King is also working on the expansion of Dr. Martin's report pertaining to C&D cost/benefit justification study.
- ♦ Dr. King will meet with us in November to discuss work in 2005.
- ♦ Amendment #4 was processed and executed..
- ♦ Meeting with UMCES was held in March 2005; the work was planned to cover Inner arbor Sites and Bay projected sites GIS and other economic areas, and also one of the task will cover Blackwater Project preliminary economic evaluations.
- ♦ Meeting with UMCES was held in July 2005 to discuss scope of work and report generation to support DMMP process.
- ♦ Meeting to discuss issues pertaining to work in process is scheduled for October, 2005. The discussion will also include potential scope of work for FY 2007.
- ♦ Contract extension for Year 5 is in process.
- ♦ Contract was extended to 01/31/07; cost: \$349,000

Signature/Date: \_\_\_\_\_

(Project Manager)

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**Project Name:****UM Ballast Water Study**

Continuation of contract # 501918

**Assignee(s) (Consultants/Contractors):****University of Maryland****Project Manager:****John Vasina****Contract or Task Period:****12/08/04 – 12/31/05****Budget Line #****1055****PIN #:****52170010****Contract #:****505916****Task #, Name:****Project Budget (Total):****\$99,984****Revisions:****Revision #:****% of Work Complete (Total):****91.00%****% Expended \$ (Total):****75.25.%****% of Work Complete  
(Crnt. FY):****95.00%****% Var./Balance:****5.00% (favorable)****% Expended \$ (Crnt.  
FY):****47.28.00%****% Var./Balance:****52.72 (favorable)****Project Goal(s):**

To identify improved methods for ballast water treatment and management and prevention of boat transport of invasive species.

**Project Objectives:**

To conduct realistic shipboard trials of methods for the treatment of ballast water, with specific emphasis on the Chesapeake Bay. The primary (voraxial separator) and secondary (ultraviolet irradiation and chemical biocide) treatments to be rigorously tested in the ballast tanks of an ocean going commercial vessel in Baltimore Harbor under normal ballasting conditions.

**Project Status - Issues/Solutions (both required):****Issues:**

- ◆ Additional work is necessary to probe various issues pertaining to the measurement of the particulate separatory efficiency of the primary treatment (voraxial separator) and of the viability of bacteria, zooplankton and phytoplankton subjected to both primary and secondary treatments and other issues that arised during the course of study which need to be addressed in order to successfully complete the ballast water study.

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- ♦ The new system is being currently installed on Cape Washington by Dr. Wright and his technical support (Hyde Marine, Inc. and General Shipyard Co.) There are issue with possible deployment of the ship in Persian Gulf.
- ♦ UMCES requested a no cost extension for the calendar year 2006, and to be allowed to remain at Clinton Street to continue the experiments at no cost to the MPA.

**Solutions:**

- ♦ First Amendatory Agreement to the contract was approved in December 2002 for additional funding of \$308,697 with the term extended to December, 2004.
- ♦ Meeting between MPA and UMCES was held in September, 2002 to address issues pertaining to the Amendment.
- ♦ University of Maryland was requested to provide MPA with a statement of absence of conflict of interest due to principal investigators (Drs. Wright & Dawson) having patent with C-Clean.
- ♦ The Phase II of the study will be conducted using the same technology (Maritime Solutions, Inc. microfugal separator) provided it is functional.
- ♦ The Phase II will take place on the MARAD ship (other than Cape May) docked in the Port of Baltimore. The MARAD ship was not allocated to the project as of February 28, 2003.
- ♦ Trip was made to Flemington, NJ to observe Maritime Solutions' separator in February 2003.
- ♦ Several meetings are scheduled for June and July to coordinate work of UM
- ♦ Maritime Solutions, Inc. withdrew from the joint project with UM to pursue testing of their own system.
- ♦ Drs. David Wright and Roger Dawson, along with project partner Thomas Mackey of Hyde Marine, Inc. presented the results of their earlier work at the 2<sup>nd</sup> International Ballast Water Treatment R&D Symposium held at the headquarters of the International Maritime Organization (IMO) in London on July 21-23, 2003.
- ♦ The University of Maryland started to publish a periodical pertaining to the ballast water issues.
- ♦ UM together with Hyde Marine, Inc. will install experimental treatment system on the board of Cape Washington by the end of November, 2003.
- ♦ Dr. Wright submitted preliminary proposal for the extension of the contract to MPA in December 2003. (The proposal is currently being reviewed by MPA).
- ♦ Debbie Aheron of MARAD is discussing details of work with Dr. Wright and both parties try to set up contingencies for possible deployment of the Cape Washington to the Persian Gulf.
- ♦ Cape Washington was deployed in Gulf war; MPA and UM are looking for temporary placement of the equipment off shore to continue with the study.
- ♦ Negotiations are in process to place the equipment and continue with the study at MPA's Clinton Street location.
- ♦ Meeting is scheduled for July 2004 with MPA management to discuss the project in



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**Harbor Development**

general, ROE, and the amendment to the contract.

- ♦ ROE was approved in July 2004
- ♦ Contract Amendment to proceed with Phase I of the new study cycle was signed in December, 2004. This work is going to proceed under contract no. 505916 on budget line # 1181.
- ♦ Meeting with UMCES (Sharon Moesel) was held in July 2005. MPA requested report from UMCES at the end of contract extension (Spring 2006), and closure of the project.
- ♦ Equipment at Clinton Street is fully installed, and testing is taking place as scheduled.
- ♦ Meeting was held at Clinton Street in August to observe workability of the system.
- ♦ UMCES provided schedule of work for the rest of the contract that will culminate in report to MPA.
- ♦ MPA approved the no cost extension for the calendar year 2006, and MPA's Real Estate Department is in process to sign new ROE for calendar year 2006.
- ♦ Real Estate Department signed the extension (ROE) to 12/31/2006.
- ♦ Meeting was held with Dr. Wright to discuss possible presentation to MPA and MDOT pertaining to the project at Clinton Street in February.

Signature/Date:  03-27-06

(Project Manager)

## Site Maintenance Work at Masonville

### EPATS TASK 35 MONTHLY PROGRESS REPORT

**Project:** Site Maintenance Work at Masonville

**MPA Project Manager:** John Vasina

**Reporting Period:** February 2006

**MPA Contract No.:** 500912

**MPA PIN:** 54000010

**MDOT Budget Line #:** 1085

**Contract Amount for Task 35:** \$690,977

**Contract Term:** 01/01/99 – 6/30/07

**Task Term:** 09/09/02 – 06/30/06

#### **Task 35 Rough Grading and Phragmites Suppression at Masonville**

This report documents status of activities related to the site maintenance work at Masonville incorporating MES and MES subcontracted services of procured aerial application of phragmites suppression chemicals and clearing, grubbing and grading field work.

At the time of this progress report, there is no current activity at the site. All requirements of the task scope of work have been completed. The task remains open for any follow-up site maintenance work requested by the Maryland Port Administration.

#### **Task Status**

During the month of February, MES provided project and task management services including:

- Preparation and submittal of monthly status report to MPA.
- No field activity.

#### **Total Amount of February Invoice to MPA:**

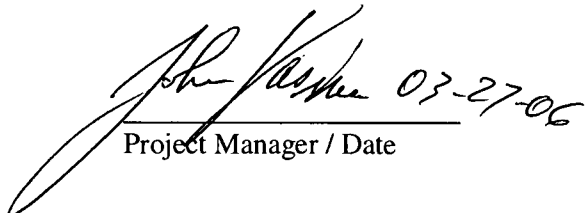
Task 35 - \$0

#### **Total Amount Invoiced to MPA to date as of this Invoice:**

Task 35 - \$684,995.52

#### **Contract Amount Remaining as of February 28, 2006:**

Task 35 - \$5,981.48

 03-27-06  
Project Manager / Date

## **Masonville Engineering and Technical Support**

### **EPATS TASK 37 MONTHLY PROGRESS REPORT**

**Project:** Masonville Engineering and Technical Support

**MPA Project Manager:** John Vasina

**Reporting Period:** February 2006

**MPA Contract No.:** 500912

**MPA PIN:** 54000010

**MDOT Budget Line #:** 1085

**Contract Amount for Task 37:** \$451,734

**Contract Term:** 01/01/99 – 06/30/07

**Task Term:** 07/15/03 – 06/30/06

#### **Subtask 37.13 Task Planning, Technical, Environmental and Administrative Services (MES)**

This report documents the status of activities related to the engineering and technical services for the expansion of the Masonville Dredged Material Containment Facility (DMCF). These services include: development of a Cost/Benefit analysis for filling a 5 acre wet basin; evaluation of alternative DMCF retention structures near pier 3; evaluation of the 48" water main line relocation; project management for the development of the Masonville and Fairfield Terminals; and technical support on field engineering investigations and surveys.

#### **Task Status**

During the month of February, MES provided project and task management services including:

- Preparation and submittal of monthly status report to MPA.
- Review and process of subcontractor invoices and progress submittals.

The February invoice to MPA in the amount of \$11,955.35 includes an invoice from M&N for January. The invoice for M&N services for the month of February as provided are listed below. The invoice from M&N for these services is forthcoming:

- Subtask 08: Wet Basin Cost/Benefit Analysis  
**February:** Filling of Wet Basin to be included on EIS, however implementation will be delayed pending availability of funding.
- Subtask 09: Alternate DMCF Retention Structure  
**February:** No activity.
- Subtask 10: 48" Water Line Relocation  
**February:** 35% Design submitted. RK&K is proceeding with preparation of 65% design submittal.

- Subtask 11: Masonville DMCF Program Management  
**February:** Provided coordination and oversight of several design consultants. Updated master schedule. Conducted monthly Masonville status meeting with MPA.
- Subtask 12: Masonville Phase 2 Storm Drain Relocation  
**February:** Proceeding with preparation of 85% design submittal. Coordinating supplemental geotechnical and survey investigations that are required to support the design effort. Coordinating effort with WBCM design of additional storm drain relocation.

**Total Amount of February Invoice to MPA:**


Task 37 – \$12,234.10

**Total Amount Invoiced to MPA to date as of this Invoice:**

Task 37 - \$ 346,831.74

**Contract Amount Remaining as of February 28, 2006 Invoice:**

Task 37 - \$104,902.26

  
Project Manager / Date

03-27-06

**Project Status Report Form**  
*Prepared by MES for*  
**Harbor Development**

**Project Name:**

Geotechnical Study in Relation to Planning at  
Masonville DMCF (Bolivar Levees)

(This project is included under MES Open Ended  
Consulting EPATS)

**MPA Project Manager:**

John Vasina

**MES Project Manager:**

Stephanie Lindley

**Assignee(s) (Consultants/Contractors):**

Gahagan & Bryant Associates, Inc.

**Contract Period:**

EPATS Agreement for Task 41 10/31/05 – 6/30/06

**Budget Line #**

**PIN #:**

1085

600105P

**Contract #:**

500912

**Task #, Name:**

#41, Bolivar Levees

**Project Budget (Total):**

\$44,967.00 (Total Budget)

\$44,967.00 (FY 2006)

**Revisions:**

None

**Revision #:**

N/A

**% Complete (Total):**

50%

**% Expended (Total):**

4.2%

**% Complete (Crnt. FY):    % Var./Balance  
(Crnt. FY):**

50%

**% Expended (Crnt. FY):**

4.2%

**Project Goal(s):**

- Provide geotechnical investigations related to decision making at the planned Masonville Dredged Material Containment Facility by gathering geotechnical and hydraulic conductivity information from the Bolivar Levees project site.

**Project Objectives:**

- Installation of 3 monitoring wells and slug testing within the three wells.
- Site stratigraphy and geotechnical characteristic determination by drilling three 25-foot borings and by conducting laboratory analysis on the borings.
- Preparation of a report on the hydraulic conductivity, site stratigraphy and sediment type, and geotechnical characteristics.

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**Harbor Development**


**Project Status – Issues/Solutions:**

- **Issues**
  - None.
- **Solutions**
  - None required.
- **MES Activities:**
  - MES issued a no cost extension on this project to GBA through April 30, 2006.
  - MES communicated with GBA as necessary to coordinate schedules and deliverables.
  - MES submitted a project status report for the month of January on February 15<sup>th</sup>.
- **Gahagan & Bryant Associates, Inc. Activities:**
  - GBA's contractor HVJ completed their work and submitted their final report.
- **Future Activities:**
  - GBA's contractor Findling will prepare a summary of the HVJ report and describe how it will affect the Masonville project.
  - MES will coordinate with GBA to provide comments on the draft report.

**Total Contract Amount: \$44,967.00**

**Total February 2006 Invoice: \$136.55**

**Total Amount Invoiced as of February 28, 2006: \$1,868.26**

 03-27-06  
Project Manager / Date

**Project Status Report Form**  
*Prepared by Maryland Environmental Service (MES) for*  
**Harbor Development**

**Project Name:**  
**Dredged Material Recycling**

**MPA Project Manager:**  
**John Vasina**

**Assignee(s) (Consultants/Contractors):**  
**Maryland Environmental Service**  
**USDA- Beltsville**  
**University of Maryland - Wye Agricultural**  
**Research Center**

**MES Task Manager: Karen Cushman**

**Contract Period: 9/1/1997 – 12/31/2006**

**MDOT #:**

**PIN #:**

**Contract #:**

**Task #, Name:**

**1095**

**54010510**

**598819**

**Project Budget (Total):**

**Revisions:**

**Revision #:**

**\$384,835.39 (Original)**

**% Complete (Total):**

**% Expended (Total):**

**88%**

**12%**

**% Complete (Crnt. FY 06):**

**% Rem. (Crnt. FY 06):**

**Expended (Crnt. FY 06): Balance:**

**34%**

**66%**

**\$5,171.86**

**\$45,210.04**

**Project Goal(s):** To investigate the feasibility of using dredged material on agricultural land as a soil supplement or soil amendment.

**Project Objectives:** The MPA initiated this project in 1998, with three major objectives – to perform a feasibility study for agricultural recycling of dredged material; to attempt to find recycling options for up to 500,000 cubic yards of dredged material annually; and to investigate agricultural, horticultural and industrial application of dredged material, defining soil and water quality and crop germination and production factors.

**Progress Towards Objectives:** Ken Staver sent his draft proposal for continuation of the study of agricultural use of dredged material on August 1, 2004. MES is in the process of preparing an overall proposal for the next phase of this work for MPA.

**Project Status - Issues/Solutions (both required):**

- MES finished reviewing the Wye proposal and contacted Mr. Staver to request an update.
- MES contacted Chip DePrefontaine with USACE, Philadelphia District to discuss the logistics of obtaining dredged material from Courthouse Point for Spring 06. Mr. DePrefontaine informed MES that dry material from Courthouse Point would be available.
- Mr. Staver revised his proposal and resubmitted it to MES on February 2<sup>nd</sup>.
- MES incorporated Mr. Staver's proposal into a global proposal for the task for submission to MPA.
- On February 15<sup>th</sup>, MES submitted a monthly status report to MPA.

**Future Work:**

- MES will discuss the proposal costs and layout with MPA on March 9, 2006 and revise the document accordingly.
- MES is planning to submit the revised proposal to MPA in late March 2006.

Report for Period Ending: 02/28/06  
SFY 06

**Project Status Report Form**  
*Prepared by Maryland Environmental Service (MES) for*  
**Harbor Development**

**Signature/Date: Karen Cushman 03/13/06**  
**Project Manager**

 03-27-06  
MPA Project Manager /Date



**Project Status Report Form**  
*Prepared by John Vasina*  
**Harbor Development**

**Project Name:****MDE Ballast Water Program****Project Manager:****John Vasina****Assignee(s) (Consultants/Contractors):****Maryland Department of the Environment****Contract or Task Period:****01/31/03 – 01/01/05****Budget Line #****1125****PIN #:****54010740****Contract #:****500910****Task #, Name:****Project Budget (Total):****\$161,000****Revisions:****\$0****Revision #:****% of Work Complete (Total):****100.00%****% Expended \$ (Total):****92.38%****% of Work Complete  
(Crnt. FY):****0.00%****% Var./Balance:****N/A****% Expended \$ (Crnt.  
FY):****0.00%****% Var./Balance:****N/A****Project Goal(s):**

**Implementation of reporting of information by maritime industry to MDE about ballast water. (Maryland legislation enacted in 2000 created an enforceable requirement for the maritime industry).**

**Project Objectives:**

**MPA's funding support helps MDE to start the program, draft and promulgate regulations, and set up the ongoing reporting framework.**

**Project Status - Issues/Solutions (both required):****Issues:**

- ♦ **Program was originally funded from MPA's operating budget.**

**Solutions:**

- **Approval has been received from Secretary Porcari to amend the existing MOU between MPA and MDE (Contract No. 500910) and allow MDE to conduct work in support of MDE's ballast water program under this contract.**
- **MDE is submitting quarterly reports.**

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**Harbor Development**

- **MDE's ballast water program regularly update and maintain a ballast water database that is used to collect information about ballast water report forms, ships that enter and depart the State of Maryland, contact information and compliance tracking. MDE is sending compliance verification letters to shipping agents of vessels that did not send in report forms at the end of each month. For example, in 2003, the average compliance rate (prior to receipt of compliance verification letters) was 71%. However, the average compliance rate (after receipt of compliance verification letter) climbed to 94%.**
- **MDE is inquiring about possible extension of this contract beyond 06/30/05. MDE submitted list of potential tasks that would be done under the contract. Specifically, MDE is emphasizing work pertaining to the potential Inner Harbor Dredged Material Placement sites. Overall contract No. 500910 was extended to June 30, 2011, and amended by \$500K. The Ballast Water segment of the contract is completed.**

Signature/Date:

 03-27-06  
(Project Manager)

Date: February 28, 2006

**Project Status Report Form**  
*prepared by*  
**Harbor Development**

**Project**

Dredged Material Management Consulting - Dredging

**Project Manager:**

John Vasina

**Assignee(s) (Consultants/Contractors):**

Gahagan & Bryant Associates, Inc.

**Contract Period:**

02/15/05 – 12/31/06

**Budget Line #**

1155

**PIN #:**

54100010

**Contract #:**

502820A

**Task #, Name:**

Task 11 Blackwater  
National Wildlife Refuge  
Planning & Cost Estimates

**Project Budget (Total):**

\$63,113

**Revisions:**

**Revision #:**

**% Complete (Total):**

45%

**% Expended (Total):**

28.48%

**% Complete (Crnt FY):**

45%

**Var/Balance:**

Favorable 55.00%

**% Expended  
(Crnt FY):**

0.00%

**Var/Balance:**

Favorable 100.00%

**Project Goal(s)**

Much interest has been expressed in Blackwater NWR restoration as noted in discussions recently at the February DMMP Management Committee meeting. There are diverse approaches involving application of dredged material to restore marsh areas. This work will involved concept level studies of the application of Maintenance Dredging Material to restore the Blackwater NWR.

**Project Objectives:**

GBA will provide qualified staff to assist the MPA with the following subtasks

**11.1)** Review Data & Mapping – Cost Estimates

**11.2)** Concept Study Report

**Project Status - Issues/Solutions (both required):**

Prepared conceptual cost estimates for direct hydraulic pipeline and scow pumpout alternatives for placing dredged material at Blackwater NWR.

  
(Project Manager)

March 27, 2006  
(Date)

Date: February 28, 2006

**Project Status Report Form**  
*prepared by*  
**Harbor Development**

**Project**

Open Ended Planning

**Project Manager:**

John Vasina

**Assignee(s) (Consultants/Contractors):**

John Martin & Associates, Inc.

**Contract Period:**

04/15/05 – 03/31/06

**Budget Line #**

1170

**PIN #:**

54130010

**Contract #:**

502820D1

**Task #, Name:**

Task 1 Analysis of Benefits  
of the Dredging the 50'  
Channel

**Project Budget (Total):**

\$166,729

**Revisions:**

**Revision #:**

**% Complete (Total):**

80%

**% Expended (Total):**

77.24%

**% Complete (Crnt FY):**

85%

**Var/Balance:**

Favorable 15.00%

**% Expended  
(Crnt FY):**

77.11%

**Var/Balance:**

Favorable 22.89%

**Project Goal(s)**

To justify the O & M dredging expenditures to maintain authorized channel project specifications.

**Project Objectives:**

To measure the economic benefits of maintaining the 50 ft. main shipping channel serving the Port of Baltimore.

**Project Status - Issues/Solutions (both required):**

John Martin requested from the US Army Corps of Engineers the data pertaining to the Corps' previous studies of the 50 ft. shipping channel.

Danny Closterman (410 962-3215) is Corps' contact for John Martin's contract.

Meeting was held in September (Martin Associates, MPA & GBA) to discuss incremental costs of deepening.

Martin & Associates developed the benefit cost analysis of the 50 Ft. shipping channel; however, there is a need for qualitative data collection to support hard numbers in the report. Martin & Associates requested Williams Associates (MBE firm) to conduct a series of interviews in the private marine terminals in Baltimore to determine how these terminals use the 50 Ft. channel from Cape Henry to the Port of Baltimore. Williams and Associates should provide summary report of findings by January 25, 2006. Meeting for status project update took place on February 25, 2006.

  
(Project Manager)

March 27, 2006  
(Date)

**Project Status Report Form**  
*Prepared by*  
**Harbor Development**

**Project Name:**  
**Characterization of Sediments, New Work  
Projects – Inner Harbor**  
(This project is included under MES Open  
Ended Consulting EPATS), Task #45

**MPA Project Manager:**

**Nathaniel K. Brown**

**Assignee (s) Consultants/Contractors):**

**Maryland Environmental Service**

**Contract Period Relevant to this  
EPATS Task:**

**01/01/04-03/31/06**

**Budget Line #**

**PIN #**

**Contract #**

**Task #, Name:**

**1085**

**5400010**

**500912**

**#45, Character. Of Sediments,  
New Work Projects- Inner  
Harbor**

**Project Budget (Total):**

**\$679,228**

**Revisions:    Revision #:**

**Task Balance:**

**\$76,062**

**% Complete-Work (Total):**

**95%**

**% Expended (Total):**

**88.80%**

**% Complete (Crnt.  
FY)**

**% Var./Balance (Crnt.  
FY):**

**% Expended  
(Crnt. FY)**

**% Var./Balance**

**95%**

**5%**

**90.83%**

**9.17%**

**Project Goal(s):**

Characterize the harbor sediments in the Dundalk Marine Terminal (DMT),  
Seagirt, and Masonville Terminal New Work Areas. This characterization will  
identify the physical, chemical and cap related test properties to identify the  
quality of the sediments. These results from this characterization will be  
evaluated to determine appropriate placement options.

**Project Status Report Form**

*Prepared by*

**Harbor Development**

**Project Name:** Characterization of Sediments, New Work Projects – Inner Harbor

**Task #, Name:** #45, Character. of Sediments, New Work Projects- Inner Harbor

**Project Objectives:**

1. Develop a site safety and health plan, field sampling plan, and quality assurance project plan for this project;
2. Mobilize a barge and sampling equipment in the Harbor to perform borings and obtain samples;
3. Characterize the harbor sediments in the proposed new work dredging areas through test borings, sampling and analysis;
4. Interpret the laboratory analyses to determine the quality of the chemical, physical and cap related test properties;
5. Prepare a report that summarizes the finding to facilitate appropriate placement options of the dredged material.

**Project Status- Issues/Solutions (both required):**

- MES continues to await feedback from MPA regarding the email memo submitted on July 6, 2005 regarding an independent third party calculation of the sand volume calculations.

**Solutions:**

- MES has suggested that the funds planned for third party QA/QC of the sand volume calculations be spent instead on collection of additional geotechnical information. With the impending completion of the Seagirt report, MPA may want to begin considering whether additional borings will be warranted since the contractual arrangements for a driller and consultant can be started now for work to commence as soon as winter is over.

**MES Activities:**

- MES completed the December progress report.
- On 09/14/05 MES forwarded a memo to MPA discussing MES' recommendations on the next step in developing the Seagirt sand volume calculations. MES recommended additional borings instead of QA/QC analysis in October. In a follow-up conversation between MES and MPA, MPA decided to finalize Task 45 with the draft Dundalk/Seagirt sediment report and make a determination regarding additional borings next year.
- MES finished reviewing the draft Dundalk/Seagirt report, received from EA on November 11, 2005, and is in the process of returning the report to EA for revisions prior to final submittal to MPA.
- MES requested a term extension (through March 2006) for EPATS Task 45. The term extension was approved on January 17, 2006.

**Project Status Report Form**  
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**Harbor Development**

**Contractor Activities:**

- EA worked with MES to make changes and clarifications to the draft Dundalk/Seagirt sediment report, leading to the report finalization.

**Future Activities:**

- MES will submit the final Dundalk/Seagirt report to MPA following EA's completion of the requested revisions.

Signature/Date: \_\_\_\_\_

*Nathan H. Pm 03/09/06*  
(MPA Project Manager)

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:**

**MPA Project Manager:**

**Environmental Compliance Audit Checklist**

**Nathaniel K. Brown**

**Assignee (s) Consultants/Contractors):**

**Contract Period Relevant to this  
EPATS Task:**

**Blasland, Bouck & Lee, Inc.**

**11/15/05-12/31/06**

**Budget Line #**

**PIN #**

**Contract #**

**Task #, Name:**

**1170**

**54130010**

**502820D**

**Task #3, Environmental  
Compliance Audit Checklist**

**Project Budget (Total):**

**Revisions:    Revision #:**

**\$152,039**

**Task Balance:**

**\$69,937**

**% Complete-Work (Total):**

**% Expended (Total):**

**54%**

**54%**

**% Complete (Crnt.  
FY)**

**% Var./Balance (Crnt.  
FY):**

**% Expended  
(Crnt. FY)**

**% Var./Balance**

**54%**

**46%**

**85.52%**

**14.48%**

**Project Goal(s):**

The Environmental Audit Checklist will be specific to operations owned by or under the direct responsibility of the MPA. The Environmental Audit Checklist will address federal, state, and local environmental laws and regulations that its facilities are required to comply with during the normal course of its business activities. The Environmental Audit Checklist will be used by trained auditors to conduct environmental audits of MPA facilities and prepare an Environmental Audit Report and Action Plan for each facility.



**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Objectives:**

To perform task management and attend meetings, perform site visits and document review, examine applicable regulations summary and long-term environmental audit policy, develop Environmental Audit Checklist, develop Environmental Audit Report, Hazardous Waste Reporting, and provide technical support.

**Project Status – Issues/Solutions (both required):**

- General technical support and management
- Prepared a final draft report on “MPA Facility Site Environmental Needs and Issues Inventory”
- Reviewed federal, state, and local environmental laws and regulations applicable to MPA operations, and prepared a summary “Regulations” table and memo for MPA use, and
- Preparation of preliminary Environmental Checklist for Tenant operated facilities.
- Meetings attended:
  - Environmental Compliance Meeting at MPA on January 19, 2006; attended by Ram Mohan and Walter Dinicola.

Signature/Date:

 03/09/06  
(MPA Project Manager)

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** HMI 24th Year Monitoring Contract

**Task #, Name:** HMI 24th Year Monitoring Contract

**Project Name:** MPA Project Manager:

**24th Year Monitoring Contract**

**Nathaniel K. Brown**

**Assignee (s) Consultants/Contractors):**

**Contract Period:**

**Maryland Dept. of the Environment**

**7/01/05-01/01/07**

**Budget Line #      PIN #      Contract #**

**715      50030020      293644**

**Task #, Name:**  
**24th Year Monitoring Contract,**  
**(MDE)**

**Project Budget (Total):**

**Revisions:      Revision #:**

**\$286,559**

**Task Balance:**

**\$286,559**

**% Complete-Work (Total):**

**% Expended (Total):**

**5%**

**0.00%**

**% Complete (Crnt. FY)      % Var./Balance  
(Crnt. FY):**

**5%**

**95%**

**% Expended  
(Crnt. FY)**

**0.00%**

**% Var./Balance**

**100%**

**Project Goal(s):**

- Perform exterior monitoring of benthic and sedimentary environments around the HMI DMCF to quality of discharged water released from the facility.

**Project Objectives:**

- Track and document project related monitoring activities of Principal Investigators (PIs) and forward updated reports on these activities to MPA for review, approval and justification for funding release by MPA to support monitoring activities.

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** HMI 24th Year Monitoring Contract

**Task #, Name:** HMI 24th Year Monitoring Contract

**Project Status – Issues/Solutions (both required):**

- The first field cruises were completed on September 8<sup>th</sup> (MGS/CBL) and September 9<sup>th</sup> (MDE/CBL).
- Samples are being stored pending processing.
- The second sampling cruise has been scheduled for the first week in April 2006.

Signature/Date: *Michael L. Brown* 03/09/06  
(MPA Project Manager)

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** HMI 23rd Year Monitoring Contract

**Task #, Name:** HMI 23rd Year Monitoring Contract

**Project Name:** MPA Project Manager:

**23rd Year Monitoring Contract**

**Nathaniel K. Brown**

**Assignee (s) Consultants/Contractors):**

**Contract Period:**

**Maryland Dept. of the Environment**

**7/01/04-12/31/06**

**Budget Line #      PIN #      Contract #**

**710**

**50030020**

**293644**

**Task #, Name:**

**23rd Year Monitoring Contract,  
(MDE)**

**Project Budget (Total):**

**Revisions:      Revision #:**

**\$321,944**

**Task Balance:**

**\$143,744**

**% Complete-Work (Total):**

**% Expended (Total):**

**85%**

**55.35%**

**% Complete (Crnt. FY)      % Var./Balance  
(Crnt. FY):**

**85%**

**15%**

**% Expended  
(Crnt. FY)**

**3.09%**

**% Var./Balance**

**96.91%**

**Project Goal(s):**

- Perform exterior monitoring of benthic and sedimentary environments around the HMI DMCF to quality of discharged water released from the facility.

**Project Objectives:**

- Track and document project related monitoring activities of Principal Investigators (PIs) and forward updated reports on these activities to MPA for review, approval and justification for funding release by MPA to support monitoring activities.

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** HMI 23rd Year Monitoring Contract  
**Task #, Name:** HMI 23rd Year Monitoring Contract

**Project Status – Issues/Solutions (both required):**

- Draft Year 23 reports are currently being developed in time for COC review prior to April 18th meeting.

Signature/Date:

*Anthony L. Bon* 03/09/06  
(MPA Project Manager)

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** HMI 22nd Year Monitoring Contract

**Task #, Name:** HMI 22nd Year Monitoring Contract

**Project Name:** \_\_\_\_\_ **MPA Project Manager:** \_\_\_\_\_

**HMI 22nd Year Monitoring Contract**

**Nathaniel K. Brown**

**Assignee (s) Consultants/Contractors):**

**Contract Period:**

**Maryland Dept. of the Environment**

**7/01/03-12/31/05**

**Budget Line #      PIN #      Contract #**

**705      50030020      293644**

**Task #, Name:**

**22nd Year Monitoring Contract,  
(MDE)**

**Project Budget (Total):**

**Revisions:      Revision #:**

**\$320,719**

**Task Balance:**

**\$60,863**

**% Complete-Work (Total):**

**% Expended (Total):**

**100%**

**81.02%**

**% Complete (Crnt. FY)      % Var./Balance  
(Crnt. FY):**

**100%**

**0%**

**% Expended  
(Crnt. FY)**

**39.11%**

**% Var./Balance**

**60.89%**

**Project Goal(s):**

- Perform exterior monitoring of benthic and sedimentary environments around the HMI DMCF to quality of discharged water released from the facility.

**Project Objectives:**

- Track and document project related monitoring activities of Principal Investigators (PIs) and forward updated reports on these activities to MPA for review, approval and justification for funding release by MPA to support monitoring activities.

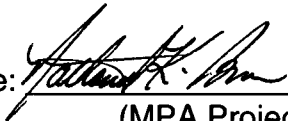
**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** HMI 22nd Year Monitoring Contract  
**Task #, Name:** HMI 22nd Year Monitoring Contract

**Project Status – Issues/Solutions (both required):**

- All projects have been completed.
- Final deliverable and invoice forthcoming.

Signature/Date:

 03/09/04  
(MPA Project Manager)

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** **MPA Project Manager:**

**Poplar Island GRR Evaluation** **Nathaniel K. Brown**

**Assignee (s) Consultants/Contractors):** **Contract Period:**

**EA Engineering & Science Assocs.** **02/15/05- 12/31/06**

<b>Budget Line #</b>	<b>PIN #</b>	<b>Contract #</b>	<b>Task #, Name:</b>
1160	54100010	502820B	<b>Task #7, Poplar Island GRR Evaluation</b>

**Project Budget (Total):** **Revisions: Revision #:**

**\$33,501**

**Task Balance:**

**\$30,823**

**% Complete-Work (Total):** **% Expended (Total):**

**30%** **7.99%**

<b>% Complete (Crnt. FY)</b>	<b>% Var./Balance (Crnt. FY):</b>	<b>% Expended (Crnt. FY)</b>	<b>% Var./Balance</b>
10%	90%	4.57%	95.43%

**Project Goal(s):**

- To consider alternatives to expand the existing dredged material capacity at the existing Poplar Island Environmental Restoration Project, as well as other environmental and recreational improvements.

**Project Objectives:**

- This study will take into account modifications to the existing Poplar Island Environmental Restoration Project. Potential modifications could include: raising the existing dikes around the upland cells, constructing an expansion of the project footprint, environmental enhancements on the island and within Poplar Harbor, increased recreational opportunities, redefining criteria for placement of dredged materials at Poplar Island.



**Project Status Report Form**

**Prepared by**

**Harbor Development**

**Project Name: Poplar Island GRR Evaluation**

**Task #, Name: #7, Poplar Island GRR Evaluation**

**Project Status – Issues/Solutions (both required):**

- Little activity this period other than management activities and additional follow-up on EIS issues.

Signature/Date: *Anthony K. Penn 03/09/06*  
(MPA Project Manager)

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** **MPA Project Manager:**

**Poplar Island GRR Evaluation** **Nathaniel K. Brown**

**Assignee (s) Consultants/Contractors):** **Contract Period:**

**Gahagan and Bryant Associates** **02/15/05- 12/31/06**

<b>Budget Line #</b>	<b>PIN #</b>	<b>Contract #</b>	<b>Task #, Name:</b>
1155	54100010	502820A1	<b>Task #7, Poplar Island GRR Evaluation</b>

**Project Budget (Total):** **Revisions: Revision #:**

**\$261,951**

**Task Balance:**

**\$170,186**

**% Complete-Work (Total):** **% Expended (Total):**

**40%** **35.03%**

<b>% Complete (Crnt. FY)</b>	<b>% Var./Balance (Crnt. FY):</b>	<b>% Expended (Crnt. FY)</b>	<b>% Var./Balance</b>
<b>40%</b>	<b>60%</b>	<b>41.63%</b>	<b>58.37%</b>

**Project Goal(s):**

- To consider alternatives to expand the existing dredged material capacity at the existing Poplar Island Environmental Restoration Project, as well as other environmental and recreational improvements.

**Project Objectives:**

- This study will take into account modifications to the existing Poplar Island Environmental Restoration Project. Potential modifications could include: raising the existing dikes around the upland cells, constructing an expansion of the project footprint, environmental enhancements on the island and within Poplar Harbor, increased recreational opportunities, redefining criteria for placement of dredged materials at Poplar Island.

**Project Status Report Form**

**Prepared by**

**Harbor Development**

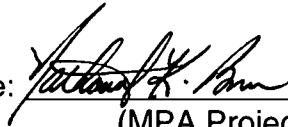
**Project Name: Poplar Island GRR Evaluation**

**Task #, Name: #7, Poplar Island GRR Evaluation**

**Project Status – Issues/Solutions (both required):**

- GBA attended a meeting on January 3rd to discuss the PIE White Paper. GBA finalized the White Paper and the attached drawings through their internal review process.

Signature/Date:

 03/09/06  
(MPA Project Manager)

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** **MPA Project Manager:**

**Poplar Island General Reevaluation Report** **Nathaniel K. Brown**

**Assignee (s) Consultants/Contractors):** **Contract Period:**

**Moffatt & Nichols (M&N)**

**02/15/05-12/31/06**

<b>Budget Line #</b>	<b>PIN #</b>	<b>Contract #</b>	<b>Task #, Name:</b>
1165	54120010	502820C	<b>Task #7, Poplar Island General Reevaluation Report</b>

**Project Budget (Total):**

**Revisions: Revision #:**

**\$249,698**

**Task Balance:**

**\$187,284**

**% Complete-Work (Total):**

**% Expended (Total):**

**30%**

**25.00%**

**% Complete (Crnt. FY) % Var./Balance  
(Crnt. FY):**

**% Expended % Var./Balance  
(Crnt. FY)**

**30%**

**70%**

**43.44%**

**56.56%**

**Project Goal(s):**

- Preparation of a General Reevaluation Review (GRR) for the expansion of Poplar Island to obtain funding authorization through a Water Resources Development Act (WRDA).

**Project Objectives:**

- Review the GRR as regards concepts, alternatives, alignments, and analyses for the Poplar Island Expansion (PIE) currently being performed by CENAB, focusing on dike sections, coastal protection, and impacts on tidal hydrodynamics, sedimentation, morphological change, wave refraction/diffraction and wave energy distribution. Provide input that will be used to develop plans for placement of dredged material within the expansion area and creation of tidal wetlands. Perform hydrodynamic, salinity, residence time, and sedimentation modeling to evaluate impacts of project on surrounding environment. The results of all the modeling studies will be presented in a Hydrodynamic Numerical Modeling Report. Using

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

the model, evaluate morphological changes in the vicinity of the project and assess the potential for long-term accumulation of sediments in the area. Model and evaluate wave refraction/diffraction and wave energy distribution differences for existing and with-project conditions. The results of all the modeling studies will be presented in a Hydrodynamic Numerical Modeling Report. Pertinent findings from the hydrodynamic, salinity, residence time, and sedimentation modeling will be incorporated in the GRR.

**Project Name:** Poplar Island General Reevaluation Report  
**Task #, Name:** #7, Poplar Island General Reevaluation Report

**Project Status – Issues/Solutions (both required):**

- Continued review of final GRR received from CENAB.
- Attended meetings with project team to develop designs to improve project value.
- Worked on preparing report for the Value Engineering (VE) phase to be conducted in early 2006.
- Performed coastal and numerical modeling studies to evaluate expansion plan and MPA design, and provided input on MPA VE design development.

Signature/Date: *William L. Ann* 03/09/06  
(MPA Project Manager)

**Project Status Report Form**

*Prepared by*  
**Harbor Development**

**Project Name:**  
**Integrated Feasibility and EIS  
Documentation**

This project is included under IGA –Mid Bay  
Island Study (MES)

**MPA Project Manager:**

**Nathaniel K. Brown**

**Assignee (s) Consultants/Contractors):**

**Maryland Environmental Service**

**Contract Period Relevant to this  
EPATS Task:**

**07/01/04 – 06/30/06**

**Budget Line #      PIN #      Contract #**

**1040      52280020      504804**

**Task #, Name:**

**#8, Integrated Feasibility and  
EIS Documentation**

**Project Budget (Total):  
\$436,517**

**Revisions:      Revision #:**

**Task Balance:**

**\$299,684**

**% Complete-Work (Total):  
75%**

**% Expended (Total):**

**31.35%**

**% Complete (Crnt.  
FY)      % Var./Balance (Crnt.  
FY):**

**% Expended      % Var./Balance  
(Crnt. FY)**

**25%      75%**

**4.63%      95.37%**

**Project Goal(s):**

This study will focus on restoring hundreds of acres of aquatic and terrestrial habitat for fish, shellfish, reptiles, amphibians, birds and mammals and will include concepts consisting of wetland and upland components.

**Project Objectives:**

- Project documentation will be in the form of an Integrated Feasibility and Environmental Impact Statement (EIS).
- MES will provide technical coordination and integration services for regulatory compliance relative to the provisions of the federal water pollution control act (FWPCA) and National Environmental Policy Act (NEPA).
- Contract management services and planning and coordination services will be provided.

- Presentation development services will be provided.
- Writing, assembly and production of draft and final environmental documentation for the Mid Bay Islands Integrated Feasibility and Environmental Impact Statement will be provided.

**Project Status – Issues/Solutions (both required):**

- MES coordinated with the Corps on needed revisions to the EIS and to determine the latest schedule for the document to go to headquarters.
- MES coordinated with the Corps to get the EIS printer-ready and determine the final number of copies needed.
- MES coordinated the printing of the EIS with an outside printing company.
- MES delivered 20 copies of the report to the Corps on January 30<sup>th</sup>.

**Future Work Anticipated in February 06:**

- MES will assist as needed with revising any text of the EIS as requested by the Corps.
- MES will begin creating a database in Access for the ultimate distribution of the EIS to the public. MES will coordinate with EA and the Corps to get the lists to work from.

Signature/Date: *William H. Pan* 03/09/04  
(MPA Project Manager)

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** IGA – Mid Bay Island Study  
**Task #, Name:** #3, (0313) Barren Island Environmental

**Project Name:** **MPA Project Manager:**

**IGA – Mid Bay Island Study (Barren Island)** **Nathaniel K. Brown**

**Assignee (s) Consultants/Contractors):** **Contract Period Relevant to this**  
**Maryland Environmental Service** **EPATS Task:**  
**4/18/03-11/30/05**

<b>Budget Line #</b>	<b>PIN #</b>	<b>Contract #</b>	<b>Task #, Name:</b>
1040	52280020	504804	#3 (0313), Barren Island Environmental

**Project Budget (Total):** **Revisions: Revision #:**

**\$409,969**

**Task Balance:**

**\$0**

**% Complete-Work (Total):** **% Expended (Total):**

**100%** **100%**

<b>% Complete (Crnt. FY)</b>	<b>% Var./Balance (Crnt. FY):</b>	<b>% Expended (Crnt. FY)</b>	<b>% Var./Balance</b>
100%	0%	0.00%	100.00%

**Project Goal(s):**

- To conduct the feasibility level study of restoration of Barren Island; to perform environmental field studies and provide a consolidated environmental report on Barren Island.

**Project Objectives:**

- To determine the feasibility of placing dredged material to restore Barren Island; to perform environmental field studies and provide a consolidated environmental report on Barren Island.



**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** IGA – Mid Bay Island Study  
**Task #, Name:** #3, (0313) Barren Island Environmental

**Project Status – Issues/Solutions (both required):**

**Subtasks 3.9 – 3.16 (Barren Island):**

*Subtask 3.9 Task Planning, Technical, Environmental and Administrative Services (MES)*

- Task is completed. No further activity to report.

*Subtask 3.10 – 3.15: Subcontracted Services for Feasibility-Level Environmental Conditions Studies for a Potential Island Restoration Project at Barren Island – Third and Fourth Seasons of Sampling (BBL)*

- Task is completed. No further activity to report.

*Subtask 3.16: Subcontracted Services for Pop Netting at Barren Island (AMA)*

- Task is completed. No further activity to report.

Signature/Date:

 03/09/06  
(MPA Project Manager)

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** IGA – Mid Bay Island Study (James Island)  
**Task #, Name:** #3 – Env. Field Studies & Cons. Env. Report (James Island)

**Project Name:**

**MPA Project Manager:**

**IGA – Mid Bay Island Study (James Island)**

**Nathaniel K. Brown**

**Assignee (s) Consultants/Contractors):**

**Contract Period Relevant to this  
EPATS Task:**

**Maryland Environmental Service**

**11/01/02-06/30/06**

**Budget Line #**

**PIN #**

**Contract #**

**Task #, Name:**

**1040**

**52280020**

**504804**

**#3, Env. Field Studies & Cons.  
Env. Rep. (James Island)**

**Project Budget (Total):**

**Revisions:    Revision #:**

**\$335,931**

**Task Balance:**

**\$46,435**

**% Complete-Work (Total):**

**% Expended (Total):**

**100%**

**86.18%**

**% Complete (Crnt. FY)    % Var./Balance  
(Crnt. FY):**

**% Expended  
(Crnt. FY)**

**% Var./Balance**

**100%**

**0%**

**19.31%**

**80.69%**

**Project Goal(s):**

- To develop environmental conditions and consolidated report documentation supportive of third and fourth quarter environmental work of a feasibility level study for proposed James Island Restoration project.

**Project Objectives:**

- Perform the third and fourth quarters of a feasibility level environmental conditions study for a proposed island restoration project at James Island, including production of a consolidated report on four seasonal quarters of data.

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** IGA – Mid Bay Island Study (James Island)  
**Task #, Name:** #3 – Env. Field Studies & Cons. Env. Report (James Island)

**Project Status – Issues/Solutions (both required):**

**Environmental Field Studies and Consolidated Environmental Report (MES, Harms, BBL, AMA)**

**Subtasks 3.1 – 3.8 (James Island):**

*Subtask 3.1 - Task Planning, Technical, Environmental and Administrative Services (MES)*

- No activity during this period.

**Future Work Anticipated in February:**

- A portion of the funds remaining in this task has been earmarked for use towards a possible site visit to James and/or Barren Island in or around June.

*Subtasks 3.2-3.7 Subcontracted Services for Feasibility-Level Environmental Conditions Studies for a Potential Island Restoration Project at James Island – Third and Fourth Seasons of Sampling (Harms)*

- Task is completed. No further activity to report.

*Subtask 3.8 Subcontracted Services for Pop Netting at James Island (AMA)*

- Task is completed. No further activity to report.

Signature/Date:  03/09/06  
(MPA Project Manager)

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:**

**MPA Project Manager:**

**Poplar Island Expansion Feasibility Study**  
**(This project is included under MES Open**  
**Ended Consulting EPATS)**

**Nathaniel K. Brown**

**Assignee (s) Consultants/Contractors):**

**Contract Period:**

**Maryland Environmental Service**

**08/01/03-06/30/06**

**Budget Line #**

**PIN #**

**Contract #**

**Task #, Name:**

**1085**

**54000010**

**500912**

**Task #44, Poplar Island**  
**Expansion Feasibility Study**

**Project Budget (Total):**

**Revisions:      Revision #:**

**\$117,752**

**Task Balance:**

**\$16,627**

**% Complete-Work (Total):**

**% Expended (Total):**

**95%**

**85.88%**

**% Complete (Crnt. FY)**

**% Var./Balance**  
**(Crnt. FY):**

**% Expended**  
**(Crnt. FY)**

**% Var./Balance**

**93%**

**7%**

**24.23%**

**75.77%**

**Project Goal(s):**

- To consider alternatives to expand the existing dredged material capacity at the existing Poplar Island Environmental Restoration Project, as well as other environmental and recreational improvements.

**Project Objectives:**

- This study will take into account modifications to the existing Poplar Island Environmental Restoration Project. Potential modifications could include: raising the existing dikes around the upland cells, constructing an expansion of the project footprint, environmental enhancements on the island and within Poplar Harbor, increased recreational opportunities, redefining criteria for placement of dredged materials at Poplar Island.

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** Poplar Island Expansion Feasibility Study  
**Task #, Name:** #44, Poplar Island Expansion Feasibility Study

**Project Status – Issues/Solutions (both required):**

- MES submitted a monthly status report to MPA on January 13<sup>th</sup>.
- MES attended the Critical Areas Commission meeting on January 4<sup>th</sup>.
- MES reviewed the Poplar Island Expansion Value Engineering White Paper and provided comments to MPA on January 5<sup>th</sup>.

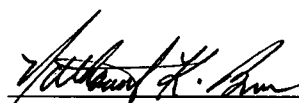
**Future Work Anticipated in February 06:**

- MES will submit a monthly status report in mid-February.

**Subtask 44.2 Poplar Island Expansion Feasibility Project Management Planning Support (EA/GBA):**

- There is no further activity to report for EA.

Signature/Date:

 02/08/06  
(MPA Project Manager)

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** Cox Creek Permit Assistance  
**Task #, Name:** #52 – Cox Creek Permit Assistance

**Project Name:**  
**Cox Creek Permit Assistance**  
(This project is included under MES Open  
Ended Consulting EPATS)

**MPA Project Manager:**

**Nathaniel K. Brown**

**Assignee (s) Consultants/Contractors):**

**Maryland Environmental Service**

**Contract Period Relevant to this  
EPATS Task:**

**10/21/04 - 12/31/05**

<b>Budget Line #</b>	<b>PIN #</b>	<b>Contract #</b>
<b>1085</b>	<b>5400010</b>	<b>500912</b>

**Task #, Name:**  
**#52, Cox Creek Permit  
Assistance**

**Project Budget (Total):**

**\$58,077**

**Revisions:      Revision #:**

**Task Balance:**

**\$46,971**

**% Complete-Work (Total):**

**20%**

**% Expended (Total):**

**19.12%**

<b>% Complete (Crnt. FY)</b>	<b>% Var./Balance (Crnt. FY):</b>
<b>20%</b>	<b>80%</b>

<b>% Expended (Crnt. FY)</b>	<b>% Var./Balance</b>
<b>9.50%</b>	<b>90.50%</b>

**Project Goal(s):**

Provide assistance with permit provisions addressed within the Cox Creek  
Discharge Permit, particularly Special Condition S – Groundwater study.

**Project Objectives:**

1. Develop a plan to verify that offsite groundwater conditions will not be impacted by the operations of a dredged material containment facility.
2. Develop a groundwater study plan;
3. Develop a groundwater water report;  
Based on the findings of the groundwater study plan, the groundwater report, and MDE feedback, perform groundwater monitoring and reporting

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** Cox Creek Permit Assistance

**Task #, Name:** #52 – Cox Creek Permit Assistance

**Project Status – Issues/Solutions (both required):**  
**Issues**

- During the month of January MES followed up with MPA on the status of the Final version of the Cox Creek Dredged Material Containment Facility (DMCF) Groundwater Study Plan that MPA submitted to MDE. Ed Stone of MDE responded requesting info on sample results and the slurry wall permeability as well as an amendment to the plan on how projected results will be verify before permit renewal in 2009. MES drafted a response for MDE to the questions and submitted the amendment to MPA for review and submittal to MDE.
- MES drafted the January'2006 status report and submitted it to MPA.

Signature/Date:  03/09/06  
(MPA Project Manager)

**Project Status Report Form**  
*Prepared by*  
**Harbor Development**

**Project Name:**  
**South Locust Point Entrance Channel  
Dredging**

**MPA Project Manager:**  
**Nathaniel K. Brown**

**Assignee (s) Consultants/Contractors):**  
**Maryland Environmental Service**

**Contract Period Relevant to this  
EPATS Task:**  
**02/21/05-12/31/05**

<b>Budget Line #</b>	<b>PIN #</b>	<b>Contract #</b>
<b>1085</b>	<b>54000010</b>	<b>500912</b>

**Task #, Name:**  
**South Locust Point Entrance  
Channel Dredging, Task # 54**

**Project Budget (Total):**  
**\$303,780**

**Revisions:      Revision #:**

**Task Balance:**  
**\$72,681**

**% Complete-Work (Total):**  
**95%**

**% Expended (Total):**  
**76.07%**

<b>% Complete (Crnt. FY)</b>	<b>% Var./Balance (Crnt. FY):</b>
<b>95%</b>	<b>5%</b>

<b>% Expended (Crnt. FY)</b>	<b>% Var./Balance</b>
<b>17.28%</b>	<b>82.72%</b>

**Project Goal(s):**

Provide geotechnical investigations, hydrographic surveys, channel design and engineering, preparation of bid documents, quality assurance quality control review of engineering deliverables and provide project management and oversight in support of South Locust Point access channel design and dredging.



**Project Objectives:**

1. Design the South Locust Point Access channel so that it accommodates the cruise industry;
2. Perform multiple hydrographic surveys over the proposed areas;
3. Characterize the sediments in the South Locust Point Access through test borings, sampling and analysis;
4. Interpret the geotechnical data to determine physical properties;
5. Prepare a channel design;
6. Prepare a bid document for the procurement of a dredging contractor, in the event that the MPA chooses to procure a dredging contractor through MES.

**Project Status – Issues/Solutions (both required):**

- During the month of January 2006, MES continued to provide project oversight on the SLP project. MES processed a BBL invoice in the amount of \$3,306.50 worked performed during the month of December 2005.
- Dredging activities and unloading of the dredged material into Hart Miller Island were underway. Mobilization occurred at the end of October 2005 and dredging/inflow activities begin in early November 2005. Dredging/inflow activities were completed in late November/early December. After dredge survey was conducted in early December. Contractor performed additional dredging and leveling with a drag bar. Collection of the final data and a recommendation regarding the completion of the project has been submitted to MPA for review and approval.

**Issues**

- Great Lakes Dock and Dredge has submitted a claim to MPA regarding the type of material dredged during the project.

**Solutions**

- Additional work is anticipated in the near future for review and recommendation concerning this claim. GBA is in the process of submitting a proposal for additional work under contract with MES due to this claim.

Signature/Date:

 03/09/06  
(MPA Project Manager)

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** DMCF Water Quality Evaluation  
**Task #, Name:** #61, DMCF Water Quality Evaluation

**Project Name:** **MPA Project Manager:**

**DMCF Water Quality Evaluation** **Nathaniel K. Brown**

**Assignee (s) Consultants/Contractors):** **Contract Period:**

**Maryland Environmental Service** **08/01/05-12/31/06**

<b>Budget Line #</b>	<b>PIN #</b>	<b>Contract #</b>	<b>Task #, Name:</b>
1085	54000010	500912	#61- DMCF Water Quality Evaluation

**Project Budget (Total):** **Revisions:** **Revision #:**

**\$130,608**

**Task Balance:**

**\$123,307**

**% Complete-Work (Total):** **% Expended (Total):**

**15%**

**5.59%**

<b>% Complete (Crnt. FY)</b>	<b>% Var./Balance (Crnt. FY):</b>	<b>% Expended (Crnt. FY)</b>	<b>% Var./Balance</b>
25%	75%	12.12%	87.88%

**Project Goal(s):**

- To conduct water quality studies at HMI, Cox Creek and PIERP to meet compliance with discharge permits and MDE guidance.

**Project Objectives:**

- To conduct a mixing zone study at HMI to meet the requirements of the discharge permit.
- To draft a report on metals toxicity analysis at PIERP to address MDE concerns.
- To provide technical support to MES in developing ideas and identifying opportunities for nutrient reduction projects, if requested. This will include quantifying the amount of nutrients reduction for each project and assistance with writing the plan.

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** DMCF Water Quality Evaluation  
**Task #, Name:** #61, DMCF Water Quality Evaluation

**Project Status – Issues/Solutions (both required):**

**Issues**

- MDE's response to the initial nutrient reduction plan was unfavorable for the use of existing MPA funded projects (i.e. oyster restoration funding) for mitigation. MDE requested that the MPA create a more detailed plan, quantify the amount of nutrient reduction, and assist with the funding of additional nutrient reduction projects.

**Solutions**

- MPA and MES determined that contingent Task 61.2.5 "Nutrient Reduction Plan (NRP) Assistance" would be made a non-contingent task so that EA could assist with the development of a revised nutrient reduction plan.

**MES Activities:**

- Performed contractor oversight and management.
- December progress report for MPA.
- Facilitated NRP follow up meeting held on January 12<sup>th</sup>.
- Started discussions with EA regarding metal toxicity data needs.

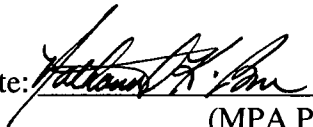
**Contractor (EA) Activities:**

- Attended NRP follow up meeting on January 12<sup>th</sup>.
- Contacted DNR Tributary Strategies Team to determine projects that could be used for HMI NRP.
- Determined metal toxicity data needs.

**Future Activities:**

- MES will continue subcontractor oversight and management, including report review, subcontractor management and invoice payment and schedule oversight.
- EA will submit a memo detailing information from DRN Tributary Strategies Team by February 10<sup>th</sup>.
- MES will supply EA with Poplar data for metal toxicity task.
- MES will set up a follow-up meeting with MPA to review EA's memo.

Signature/Date:

 03/09/06  
(MPA Project Manager)

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** Port of Baltimore Air Emissions reg. Compliance  
Technical Support

**Task #, Name:** #57 Port of Baltimore Air Emissions reg. Compliance  
Technical Support

**Project Name:**

**MPA Project Manager:**

**Port of Baltimore Air Emissions Reg.**  
**Compl. Tech Support**

(This project is included under MES Open Ended  
Consulting EPATS)

**Nathaniel K. Brown**

**Assignee (s) Consultants/Contractors):**

**Contract Period:**

**Maryland Environmental Service/Edwards**  
**& Kelcey (E & K)**

**07/01/05-06/30/07**

<b>Budget Line #</b>	<b>PIN #</b>	<b>Contract #</b>
1085	54000010	500912

**Task #, Name:**  
**#57, Port of Balto. Air Emissions**  
**Reg. Compl. Tech Support**

**Project Budget (Total):**

**Revisions:    Revision #:**

**\$437,132**

**Task Balance:**

**\$425,429**

**% Complete-Work (Total):**

**% Expended (Total):**

**2.68%**

**2.68%**

**% Complete (Crnt. FY)    % Var./Balance**  
**(Crnt. FY):**

**% Expended    % Var./Balance**  
**(Crnt. FY)**

**2.68%**

**97.32%**

**9.75%**

**90.25%**

**Project Goal(s):**

- To comply with air emissions requirements from Port activities, to assist the Port in decision-making regarding air quality issues and regulation on the Baltimore non-attainment area.
- To produce a report on objective and criteria for selecting and prioritizing emission reduction measures related to emissions from ship and MPA operations in the Port of Baltimore.

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

**Project Name:** Port of Baltimore Air Emissions reg. Compliance  
Technical Support

**Task #, Name:** #57 Port of Baltimore Air Emissions reg. Compliance  
Technical Support

**Project Objectives:**

- To gather information on air emissions from Port activities.
- To investigate and identify possible targets for reductions in air emissions from Port activities.
- To produce reports that can be management tools in identifying objectives and criteria to reduce emissions from Port activities.

**Project Status – Issues/Solutions (both required):**

MES Tasks—January 2006:

- MES performed project management and subcontractor oversight duties.
- MES submitted the draft December 12<sup>th</sup> meeting minutes to the MPA on January 3<sup>rd</sup>.
- On January 5<sup>th</sup> MES distributed the final December 12<sup>th</sup> meeting minutes
- MES received a monthly status report from TA/E&K on January 9<sup>th</sup>.
- MES prepared and forwarded a summary of the December 12<sup>th</sup> MDE Air Quality Conference to MPA on January 9<sup>th</sup>.
- MES submitted a monthly status report to MPA on January 13<sup>th</sup>.
- MES forwarded MDOT additional comment responses to the Phase III Draft Final Report to EK on January 17<sup>th</sup>.
- MES communicated with MPA to develop guidance for addressing MDOT comments to the Phase III Draft Final report.
- MES forwarded a memo containing MPA/MES guidance on addressing MDOT comments to EK on January 24<sup>th</sup>.
- MES personnel attended the Idling Reduction Technology Workshop held by the Chesapeake Bay Program Businesses for the Bay on January 30<sup>th</sup>.

TA/E&K Tasks—January 2006:

- Maintained ongoing correspondence with MES.
- EK revised the Phase III Draft Final Report to incorporate responses made to MDOT comments to the report. EK performed research for some of the comments prior to report inclusion.

**Project Status Report Form**  
**Prepared by**  
**Harbor Development**

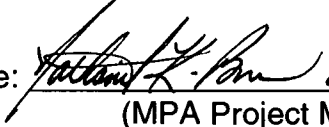
**Project Name: Port of Baltimore Air Emissions reg. Compliance**  
**Technical Support**

**Task #, Name: #57 Port of Baltimore Air Emissions reg. Compliance**  
**Technical Support**

**Future Work for February/March 2006:**

- EK will deliver one hardcopy and one electronic copy of Revised Phase III Draft Final report containing responses to MDOT questions to MES.
- MES will print and distribute 8 hardcopies and 8 CD-ROM copies of the revised Phase III Draft Final Report to MPA.
- MES will forward a summary of the Idle Reduction Technology Workshop to MPA.

Signature/Date:

 03/09/06  
(MPA Project Manager)

**Project Status Report Form***Prepared by***Harbor Development****Project Name:**MPA-MES-Maryland Geological Survey (MGS) 3-Way  
Coastal Geology Services IGA*(This project includes no billings by MES. All MES labor associated with this contract is billed through EPATs Task 2 or the cost center the services are associated with, through prior arrangement and with approval by MPA.)***MPA Project Manager:**

Dave Bibo

**MES Task Manager**

Melissa Slatnick

**Assignee(s) (Consultants/Contractors):**Maryland Environmental Service  
Maryland Geological Survey**Contract Period:**

April 3, 1996 Through Dec 31, 2006

**Budget Line #****PIN #:****Contract #:****Task #, Name:**

1100 (new)

600105S

596924

MES / MGS Coastal  
Geology**Project Budget (Total):****Revisions:****Revision #:**

\$300,000 (Original)

\$600,000 (Revised Total)

\$900,000 (Revised Total)

\$300,000

\$300,000

1

2

**% Complete (Total):****% Expended (Total):**

70% (based on amount committed not invoiced)

Invoiced directly to MPA

**% Complete (Crnt. FY):****% Rem. (Crnt. FY):****Expended (Crnt. FY):****Balance:**

NA

NA

Invoiced directly to MPA

\$629,604 committed to  
tasks.\$270,395 uncommitted  
to tasks.**Project Goal(s):** To provide coastal geology services to Port-related projects by the Maryland Geological Survey, with technical oversight by MES.**Project Objectives:** To provide coastal geology services to the Dredged Material Management Program and Port related projects. To support environmental monitoring and documentation of MPA projects associated with Port activities, dredging projects, and environmental restoration projects and alternatives.**Project Status - Issues/Solutions (both required):**• Issues

- None.

• Solutions

- None required.

**Project Status Report Form**

*Prepared by*

**Harbor Development**

- MES Activities
  - Prepared the January progress report.
  - Submitted Invoice 000278 for Tasks 30 and 40 to MPA on behalf of MGS.
  
- MGS Activities
  - Please see attached MGS February Activity Report.
  
- Future Activities
  - MES will continue to work with MPA and MGS during the transition of MGS personnel.

Signature/Date: David J. Belo  
(Project Manager)



**Project Status Report Form**

*Prepared by*  
**Harbor Development**

**Monthly Activity Report  
February 2006**

<u>Task Number</u>	<u>Task Name</u>	<u>Activity</u>
21	James Island Survey and Interpretation	No activity
26	James Island Acoustic Survey	No activity
28	Sparrows Point Acoustic Survey	No activity
30	HMI Anoxic Well Monitoring	No activity
35	DMMP Support	Jeff Halka attended a BEWG and a Management Committee Meeting.
36	NOB 8-10 Resurvey	No activity.
39	PI Sediment Chemistry 04	No activity.
40	PI Tide Gauges	No activity.
41	PI Sediment Quality	No activity.

Date: 02.28.06

**Project Status Report Form**  
*prepared by*  
**Maryland Port Administration - Harbor Development**

**Project**

Dredged Material Management Consulting - Dredging

**Project Manager:**

David Bibo

**Assignee(s) (Consultants/Contractors):**

Gahagan & Bryant Associates, Inc.

**Contract Period:**

January 1 - January 31, 2006

**Budget Line #**

1155

**PIN #:**

54100010

**Contract #:**

502820A

**Task #, Name:**

Task 9 HMI Closure/Filling P&D

**Project Budget (Total):**

\$0

**Revisions:**

**Revision #:**

**% Complete (Total):**

60%

**% Expended (Total):**

72.36%

**% Complete (Crnt FY): Var/Balance:**

60%

Favorable / 40.0%

**% Expended  
(Crnt FY)**

77.91%

**Var/Balance:**

Favorable / 22.09%

**Project Goal(s)**

Hart Miller Island (HMI) will be closed for all placement of dredged material at the end of 2009 and final cap or cover material placement will begin at the end of 2007. GBA will participate in the planning and design for operations, placement and final filling, and closure for the HMI site.

**Project Objectives:**

GBA will provide qualified staff to assist the MPA with the following subtasks

**9.1)** Ops/Placement Plans – Filling and Capacity Ests.

**9.4)** Meetings and Site Visits

**9.2)** Field Borings & Consolidation Estimates

**9.5)** Construction Planning and Equipment Optimization

**9.3)** Cap Closure Team

**Project Status - Issues/Solutions (both required):**

Meetings attended on 1/4, 1/5, 1/13, 1/17, 1/20 & 1/30 by various associates. HMI site visits on 1/6, 1/17 by S. Shaw. Extensive review of site conditions and operations with MPA and MES personnel relative to the pH, ponded water, metals levels and other operational issues. Continued planning of inflow locations and predictions for dredged material inflow through remainder of site operation. Analysis and participation in planning for closure options and long term operation of site. Planning for re-circulation and other options during inflow.



**David Bibo - Project Manager**

February 28, 2006

**(Date)**

Date: 02.28.06

**Project Status Report Form**  
*prepared by*  
**Maryland Port Administration - Harbor Development**

**Project**  
Dredged Material Management Consulting -

**Project Manager:**  
David Bibo

**Assignee(s) (Consultants/Contractors):**  
Gahagan & Bryant Associates, Inc.

**Contract Period:**  
January 1 - January 31, 2006

**Budget Line #**  
1155

**PIN #:**  
54100010

**Contract #:**  
502820A

**Task #, Name:**  
Task 10 Cox Creek Ops Filling

**Project Budget (Total):**  
\$118,183

**Revisions:**      **Revision #:**

**% Complete (Total):**  
35%

**% Expended (Total):**  
34.34%

**% Complete (Crnt**

**Var/Balance:**

**% Expended**  
**(Crnt FY)**

**Var/Balance:**

60%

Favorable / 40.0%

78.80%

Favorable / 21.20%

**Project Goal(s)**

Cox Creek Dredged Material Containment Facility will begin operations as early as the fall of 2005. GBA will participate in the planning and design for operations and placement for the Cox Creek site.

**Project Objectives:**

GBA will provide qualified staff to assist the MPA with the following subtasks

10.1) Operations/Placement Plans  
Filling Capacity & Estimates

10.2) Meetings and Site Visits  
10.3) Constuction Planning & Equip Optimization

**Project Status - Issues/Solutions (both required):**

Developed conceptual drawings, various layouts for planning purposes to detail future discussions on re-circulation. Prepared preliminary drawings of inflow points with expected results of inflow. Internal GBA discussions relative to cross dike impact and dredging schedule.



**David Bibo - Project Manager**

February 28, 2006  
**(Date)**

Date: 02.28.06

**Project Status Report Form**  
*prepared by*  
**Maryland Port Administration - Harbor Development**

**Project**

Dredged Material Management Consulting - Dredging

**Project Manager:**

David Bibo

**Assignee(s) (Consultants/Contractors):**

Gahagan & Bryant Associates, Inc.

**Contract Period:**

January 1 - January 31, 2006

**Budget Line #**

**PIN #:**

**Contract #:**

**Task #, Name:**

1155

54100010

502820A

Task 12 Poplar Site  
Operations LL

**Project Budget (Total):**

\$99,287

**Revisions:**

**Revision #:**

**% Complete (Total):**

45%

**% Expended (Total):**

47.54%

**% Complete  
(Crnt FY):**

20%

**Var/Balance:**

Favorable / 80.0%

**% Expended  
(Crnt FY)**

17.89%

**Var/Balance:**

Favorable / 82.11%

**Project Goal(s)**

GBA will review operational practices and procedures at Poplar Island upon request of the MPA and provide comments, recommendations and/or reports accordingly.

**Project Objectives:**

GBA will provide qualified staff to assist the MPA with the following subtasks

- |                                         |                                                 |
|-----------------------------------------|-------------------------------------------------|
| 12.1) Cell 3D Lessons Learned Report    | 12.3) Cell 5 Deep Hole Wetland Development Plan |
| 12.2) Construction Planning & Equipment | 12.4) Cell 3D Report Restructuring              |

**Project Status - Issues/Solutions (both required):**

Work continued on Cell 3D Lessons Learned Cell 3D report revisions. CENAB notified GBA that they will be providing text to insert in the report concerning their vane shear testing in Cell 3D.



**David Bibo - Project Manager**

February 28, 2006

**(Date)**

**Cox Creek DMCF**  
***Task Update***  
**January 2006**

*\*\*\*All tasks included in this update (except where noted) are funded from the approved FY 06 and FY07 Cox Creek Operations and Monitoring Budget. Costs associated with specific Cox Creek monitoring tasks are not tracked separately, unless requested.\*\*\**

**Environmental Monitoring Tasks for Reporting Period:**

**Update:** Monitoring activities at Cox Creek during the reporting period were based on the Cox Creek Discharge Permit. Since March 11, 2005, the spillways have been used for discharge and the Stormwater Monitoring Plan (2003) has been replaced with the State Discharge Permit. Inflow from the Annapolis dredging project began in December, however, there has been no discharge.

With high copper and zinc concentrations occurring throughout the month, MES has been collecting additional daily grab samples and coordinating a 24-hour laboratory turn around time for results to assist in making operational decisions.

- Collection of 8-hour composite sample during stormwater discharge.
- Maintained and calibrated lab and field equipment daily.
- Monitored the pH of the pond in the North Cell daily.
- Transported daily and weekly samples to laboratory and compared the results with the discharge permit to maintain discharge.
- Hach kit tests were performed to test ammonia concentrations in the North Cell sump ponds during discharge.
- Performed turbidity tests in the North Cell pond hourly during discharge.
- Determined when and added lime to the North Cell pond based on pH levels and metal concentrations.
- Compiled data into monthly and quarterly reports for stormwater management and wetland monitoring.
- Continued implementing the monitoring plan for the Swan Creek mitigation area.
- Meet with M&N and Biohabitats in regard to the tidal monitoring study in the Swan Creek wetlands. Recommendations were to deepen the inlet and move the outfall of the Swan Creek watershed further south.
- Received results for the South Cell material to be used in the pier mitigation area. Awaiting guidance from MDE on use.
- Maintained analytical databases.
- Ordered supplies for environmental monitoring.
- Monitored the inflow from the Annapolis Harbor dredge project.
- Conducted a lime/pH bench scale study.
- Installed an Aquafix lime doser system for water treatment and began a pH/lime correlation study.

**Future:** MES will continue the water quality monitoring and prepare the required reports. The Swan Creek Mitigation Area plan will continue to be implemented and monthly reports on the mitigation site will be submitted under separate cover. Recommendations to improve tidal flushing in the Swan Creek wetlands will be implemented. Further testing of material for the pier mitigation project will be done pending MDE guidance.

**Meetings, Tours & Events:**

- 1/10/06 @ 8:30 a. m. – Cox Creek Operations Meeting – Location: On-site.
- 1/10/06 @ 9:30 a. m. – Unloading pier construction progress meeting w/ Corman-Imbach Marine Inc. – Location: On-site.
- 01/11/06 @ 13:00- Wetland Tidal Gauge StudyWrap-Up Meeting – Location: On-site.
- 01/12/06 @ 09:00 a.m. – Meeting with Aquafix to discuss lime doser system – Location: On-site.
- 01/17/06 @ 13:00 – Meeting with MPA to discuss water concerns – Location: On-site.

**Cox Creek Discharge Permit:**

**Update:** The Cox Creek Discharge Permit became effective on December 1, 2004. A groundwater monitoring sampling plan was sent to MPA for review after which MPA intended to forward the plan to MDE.

**Future Tasks:**

A nutrient reduction plan is required 12 months after the first inflow, which will be December 2006. MES is coordinating with MPA in the development of the plan in coordination with the development of the HMI plan. Biomonitoring sampling will be conducted with the first discharge from the Annapolis Harbor dredge project.

Date: 02.22.06

**Project Status Report Form**  
*Prepared by*  
**Harbor Development**

**Project Name:**

Hart-Miller Island South Cell Environmental  
Restoration Project (HMI SCERP)

**Project Manager:**

David Bibo

**Assignee(s) (Consultants/Contractors):**

MES

**Contract Period:**

2002-2007

**Budget Line #:**

735

**PIN #:**

50130040

**Contract #:**

500607

**Task #, Name:**

HMI SCERP

**Project Budget:**

\$1,800,000 (Total)  
\$131,082(FY06)

**Revisions:**

None

**Revision #:**

None

**Complete – Work (Total):**

76%

**% Expended - \$ (Total):**

95%/\$1,713,905

**% Complete (Crnt FY): Var/Balance:**

50%

**% Expended (Crnt FY): Var/Balance:**

26%/\$34,249

**74%/\$96,833**

**Project Goal(s):**

Restore the Hart-Miller Island South Cell creating a habitat for migratory birds, consisting of mud flats, nesting island, and uplands.

**Project Objectives:**

- Provide habitat for migratory birds.
- Allow citizens to observe the birds from viewing areas

**Project Status Report Form**  
*Prepared by*  
**Harbor Development**

**Project Status - Issues/Solutions (both required):**

**Issues**

- Gwen Meyer of the USACE conducted a vegetation survey of the South Cell uplands. She provided the MPA with a Memorandum for Record (MFR) that recommended annual mowing in the South Cell uplands, mowing/mulching around woody shrubs and trees, and continuing control of the invasive species, *Phragmites*, and controlling pokeweed and mile-a-minute vine with a broadleaf herbicide.
- Spillway 003 remains bermed off until improvement work is completed to control leakage.

**Solutions**

- MES will be developing a plan of action to deal with invasive species within the South Cell in the spring of 2006. An aerial spray for *Phragmites* was completed October 20, 2005. The future mowing, mulching and invasive species (other than *Phragmites*) tasks will be covered under the South Cell monitoring proposals that will be submitted annually.
- MES Operations and Engineering Staff are developing a punch list of items that need to be completed to make Spillway 003 fully functional. Improvement work to spillway design began by Strum Contracting Company in January.

**Construction:**

- Geo Con has completed almost all their tasks and they have demobilized.
- The USACE is preparing a punch list for items that need to be corrected prior to closing the contract. Punch list items include: ground cover replacement in some areas, repair of the walkway around the pond, and replacement of the light poles outside of the control building (see below).
- MES is will be providing MPA with an updated spillway structure repair plan and an engineers estimate for the repair.

**Environmental Monitoring:**

- The SCERP is currently in Year 2 of monitoring (November 2005-October 2006). Year 1 monitoring year ended in October 2005. Interior water quality (MES) and interior sediment quality (UMCES) monitoring was conducted in Year 1.
- MES is conducting Year 2 interior water quality monitoring. One set of samples was collected on January 31, 2006 from the pond in front of Spillway 003, the pond where the pump is located and at N. 265 in the Bay.
- MES will conduct pre-discharge sampling at Spillway 003 once the spillway has been repaired.
- MES coordinated with UMCES on report status for Year 1 Monitoring.
- MES began drafting the Year 1 Comprehensive Monitoring Report.
- MES processed client and contractor invoices.

**Contractor University of Maryland (UMCES) Activities:**

- UMCES continued to analyze data and drafting of the Year 1 Monitoring Report.
- UMCES provided a data update with preliminary data analysis.
- UMCES submitted an invoice for the month of October.



Date: 02.22.06

**Project Status Report Form**  
*Prepared by*  
**Harbor Development**

**Total Project Amount: \$1,800,000**

**Total Funding Allocated for Year 1 Monitoring: \$88,232.08**

**Total Funding Allocated for Year 2 Monitoring: \$42,849.32**

**01/31/06 Invoice Amount: \$15,285.24**

**Total Remaining for Project as of 01/31/06: \$86,095.15**

Signature/Date: David L. Bilo 02 22 06  
(Project Manager)

**Project Status Report Form**  
*Prepared by*  
**Harbor Development**

**Project Name:**

Poplar Island Environmental Restoration Project  
 (This project is included under MES Open Ended  
 Consulting EPATs)

**MPA Project Manager:**

Dave Bibb

**MES Project Manager:**

Melissa Slatnick

**Assignee(s) (Consultants/Contractors):**

Maryland Environmental Service

**Contract Period:**

01/01/04 – 01/31/05

01/01/04 – 04/10/06 (Revised February 2005)

**Budget Line #****PIN #:**

1085

54000010

**Contract #:**

500912

**Task #, Name:**

#46, PIERP Adaptive  
 Mgmt. Plan (AMP)

**Project Budget (Total):**

\$292,019 (Total Budget)

\$214,367 (FY 2005)

\$85,864 (FY 2006)

**Revisions:**

None

**Revision #:**

N/A

**% Complete (Total):**

98%

**% Expended (Total):**

84%

**% Complete (Crnt. FY):**    **% Var./Balance  
 (Crnt. FY):**

98% (Based on revised  
 SOW with most work re-  
 assigned to website task)

2%

**% Expended (Crnt. FY):**

43%

**Project Goal(s):**

- Continuation of services on the Poplar Island Adaptive Management Plan (AMP) and Project Management Plan (PMP).
- Development of the updated Poplar Island Habitat Development Framework (HDF).

**Project Objectives:**

- Provide technical support and contractor oversight for the continued development of the AMP and PMP.
- Provide revised drafts of the HDF.
- Provide support at the AMP team meetings and HDF development meetings (Habitat Sub-group Meetings).
- NEW: Implement a web-based system for adaptive management task database.

**Project Status Report Form**  
*Prepared by*  
**Harbor Development**

**Project Status – Issues/Solutions (both required):**

- **Issues**
- None.
- **Solutions**
  - None required.

**NOTE: With the exception of the website development and maintenance subtask, all work under EPATS Task 46 has been completed.**

**Work related to the 2006 Poplar Island Project Management Plan and Adaptive Management Plan is performed under ERP Task 36.**

- **MES Activities:**
  - Contractor oversight and management for the remaining task of website development.
  - Drafted December progress report; reviewed and approved subcontractor and client invoices.
  - Coordinated with contractor, as needed, for minor modifications to website including problems encountered with email notification system, team member access issues, administrator access issues and Team Directory listing updates.
- **EA Engineering, Inc. Activities:**
  - Continued making final modifications to the website, as requested.
- **Future Activities:**
  - EA will continue to host the website through April 2006. (After April 2006, EA has an option on ERP Task 36 that would allow EA's continued support of the site).
  - EA will continue to provide technical support on website functions, including user assistance, through April 2006.
  - EA will offer MPA and Corps private training on website usage, if requested.

**Total Contract Amount: \$292,019**

**Total January 2006 Invoice: \$3,309.22**

**Total Amount Invoiced as of 01/31/06: \$244,599.04**

**Contract Balance: \$48,665**

**Signature/Date:** David F. Belas 02 22 06  
**(Project Manager)**

Date: 02.22.06

**Project Status Report Form**  
*prepared by*  
**Harbor Development**

**Project Name:** Site 92 Comprehensive Monitoring

**MPA Project Manager:** Dave Bibb

**MES Project Manager:** Elizabeth Habic

**Assignee(s) (Consultants/Contractors):**

MES  
MDE  
MGS

**Contract Period:**

05/1/98 – 06/30/2013

**Budget Line #**

**PIN #:**

**Contract #:**

**Task #, Name:**

975

521100-40

599910

**Project Budget (Total):**

**Revisions:**

**Revision #:**

\$1,472,815.61 (years 1-13)

**% Complete (Total):**

**% Expended (Total):**

Year 1 & Year 2: 100%

49% (\$722,302 through January 2006)

Year 3 & Year 4: 100%

Year 5 & Year 6: 100%

Year 7: 80%

Year 8: 30%

**% Complete (FFY 06):**

**% Expended (FFY 06**

**Var/Balance:**

FY 06 Budget: \$136,113.80

Funds): 1.4%/\$1,864.63

98.6%/\$134,249.17

(FY06 budget is based on FFY06 budget of \$272,227.60  
split 50/50 with CENAP for period of 10/1/05 – 9/30/06)

**Expended during (FY 06):**

**Var/Balance:**

Total: \$31,229.44

**Project Goal(s):** Management of site monitoring activities at Site 92

**Project Objectives:** Conduct management activities of site monitoring activities at Site 92

**Project Status - Issues/Solutions (both required):**

**January:**

See attached status report

**February:**

MES will distribute the draft Year 8 Site Management Report to the PI Team for review.

MES will distribute draft and final meeting summaries for the January 25<sup>th</sup> Principal Investigators (PI) Team meeting.

Date: 2/15/06

**Project Status Report Form**  
*prepared by*  
**Harbor Development**

Project Name: Site 92 Comprehensive Monitoring

Task #, Name: \_\_\_\_\_

**Project Status - Issues/Solutions (both required):**

MES will update MPA regarding the potential dissolution of MGS and how this might affect the Site 92 work.

**PROJECT INFORMATION FOR YEAR 8 OF PLACEMENT**

Amount of Contract: \$3,417,830.22

Amount of Dredged Material:

BD Survey – 633,610 cy

Total Removed- 679,470 cy

Pay Yards- 600,738 cy

IBD Survey – 512,600 cy

Amount of Material Dredged: 871,703 cy (final contractor estimate as of 12/10/05)

Amount of Material Remaining To Be Dredged: none

Advertisement Date: July 11, 2005

Estimated Time To Complete: 71 days

NTP Issued: September 30, 2005

Weather Days: 2 (waiting for final number from CENAP)

Completion Date: 12/10/05

Signature/Date: David F. Bulw 022206  
(Project Manager)

**Project Status Report Form**  
*Prepared by*  
**Harbor Development**

Project Name: Hart-Miller Island DMCF

Task #, Name: \_\_\_\_\_

**Project Name: Hart-Miller Island DMCF****Project Manager: David Bibo****Assignee(s) (Consultants/Contractors): MES****Contract Period: 07/01/05 – 06/30/06****Budget Line #670****PIN #:500200 40****Contract #: 384002A****Task #, Name:****Project Budget (Total): \$3,716,000****Revisions:****Revision #:****January Invoice: \$302,009.48****Year To Date: \$2,181,897.70****% Complete (Total): 58.7%****% Expended (Total): 58.7%****% Complete (Crnt FY):    Var/Balance:****% Expended (Crnt FY):    Var/Balance:****58.3%****41.7%****58.7%****41.3%**

**Project Goal(s): Operation of the containment facility efficiently, safely, and in compliance with the discharge permit and regulatory requirements. To place the maximum amount of dredged material in the facility prior to the closure date.**

**Project Objectives:**

- Operations of DMCF
- Complete Construction of and dedicate the South Cell Restoration Project
- HMI Well Monitoring Study, ensuring no migration of material is taking place
- Environmental Monitoring, meeting the discharge criteria
- Manage the area with 100-acre maximum pond size during inflow
- Development of a Filling Plan to maximize utilization of the North Cell
- Development of a closure plan for the North Cell

**Project Status - Issues/Solutions (both required)**

- **Temporary Berm Construction:** The temporary berm construction is complete. Current focus has turned to raising the western portion of the cross dike. That work started January 19<sup>th</sup> and is projected to continue through April 2006. Material recovery continues for stockpile purposes. Placement of material in January has progressed as planned but the temporary loss of a dump truck has occasionally slowed progress. We are awaiting the arrival of the replacement dump truck in the Spring of 2006.
- **Spillways and Discharge:** During January, the inspection staff continued 24-hour operations, providing oversight of contractor inflow activities-- Mclean Contracting (Baltimore County projects) and Great Lakes Dredge and Dock (Corps of Engineers Federal channel maintenance as a subcontractor to Weeks Marine)-- and inspecting and monitoring the discharge from the North cell spillways. Discharge

**Project Status Report Form**  
*Prepared by*  
**Harbor Development**

Project Name: Hart-Miller Island DMCF

Task #, Name: \_\_\_\_\_

from spillways 007 & 008 commenced on January 19, 2006. Discharge from spillway 009 commenced on January 26, 2006. Releases from all 3 spillways continued throughout the remainder of the month.

- **North Cell:**

- As noted above, simultaneous discharge occurred from spillways 007, 008 and 009 during the latter half of January 2006.
- On January 30<sup>th</sup>, MPA, MES, GBA, NewFields, MN, and UMCES held a pH-brainstorming meeting to discuss specific problems at HMI related to low pH conditions. A meeting summary was distributed on 02/01/06. The immediate action items regarding the pH issues include:
  - MES will continue to pursue the quick lime helicopter application concept;
  - MES, in conjunction with MN and NewFields, will also develop short-term plans that will include the use of a barge to slurry quick lime and circulate water through the barge and back into the North Cell for discharge;
  - The group will coordinate on decisions for increased pond water quality data collection.
- The meeting group does not anticipate a return of acidic conditions at HMI based on ~6-month interval between wetting of the area (April/May 2006 through Sept/Oct 2006). Normal crust management activities are planned to be performed this spring/summer.
- The Project Team will consider options to be discussed with MDE, including potential modifications to the discharge permit requirements. Follow-up meetings on this topic will be held between MES, MPA, GBA and MDE in February.

- **South Cell:**

- Geo Con has completed almost all tasks and they have demobilized. The USACE is preparing a punch list for items that need to be corrected, prior to closing out the contract. Punch list items include: Ground cover did not initially prevent erosion and some washouts have occurred in the area of the footpath. Some repairs will be needed. MES will be making erosion repairs along the foot path as this is not part of the Corps of Engineers contract warranty.
- MES awarded the Spillway 3 reconstruction contract to Strum Engineering. While the initial repairs have been completed, additional improvements to the spillway are currently being studied and priced (see below).
- HMI staff continues to monitor the water level in the cell and pump excess water to the North cell as needed.

**Project Status Report Form**  
*Prepared by*  
**Harbor Development**

Project Name: Hart-Miller Island DMCF

Task #, Name: \_\_\_\_\_

- **South Cell Spillway** – As indicated, the initial contract work has been completed on repairs to the South Cell Spillway. An operational inspection of the spillway on November 30<sup>th</sup> indicated that additional changes and improvements will be required to make the spillway watertight and to provide for a better means of discharge control. Repairs to spill way 003 are underway and should be completed late February to early March.
- **Capital Equipment & Other Items:** The FY 2006 HMI budget contains funds for purchase of 2 articulated dump trucks and one Long Reach Excavator. The lowest responsive bid received for the trucks was \$291,517 each. The LR Excavator bids will be opened February 21st. Currently, there is one piece of rental equipment on site - a bulldozer from Alban. A short reach excavator is also on-site on loan from Poplar Island.
- **2005/2006 Inflow Planning:** MPA, MES and GBA are working closely on detailed plans to manage, control, gather data and analyze 2005 inflow operations to insure that maximum utilization is made of the remaining capacity in the Hart-Miller Island DMCF. The same group is also looking to capture lessons learned for application at other DMCF's and for future operations at HMI.
- **Road Maintenance:** The majority of the road improvements associated with the Cr6 stone deliveries were completed around the perimeter of the South Cell during December 2005. Additional road work continues on an "as-needed" basis.
- **Marine Safety Review:** MES received the draft report on Marine Safety Review of Poplar Island, HMI and Cox Creek. We are currently coordinating our internal comments with the Safety Office. The report will be finalized and shared with MPA.

Signature/Date: David J. Lolo 022206  
(Project Manager)



Date: 02.22.06

**Project Status Report Form**  
*Prepared by*  
**Harbor Development**

Project Name: Poplar Island Site Development

Task #, Name: \_\_\_\_\_

**Project Name: Poplar Island Site Development**

**Project Manager: David Bibo**

**Assignee(s) (Consultants/Contractors): MES**

**Contract Period: 07/01/05-06/30/06**

**Budget Line # 770**

**PIN #: 51030040**

**Contract #: 502813**

**Task #, Name:**

**Project Budget (Total): \$4,720,000**

**Revisions:**

**Revision #:**

**January Invoice : \$323,884.27**

**Year To Date: \$2,520,435.49**

**Complete (Total): 53.4%**

**% Expended – 73.58%**

**% Complete (Crnt FY):**

**Var/Balance:**

**% Expended (Crnt FY):**

**Var/Balance:**

**58.3%**

**41.7%**

**53.4%**

**46.6%**

**Project Goal(s):** Operation of the project efficiently, safely, and in compliance with the regulatory requirements. To manage the material placement for maximum capacity while meeting the objectives of the project. Development of viable environmental habitat.

**Project Objectives:**

- Environmental Monitoring, meeting the discharge criteria.
- Prepare and maintain the infrastructure for long term sustained operations.
- Conduct operations in compliance with environmental concerns.
- Recover sand for future operations.
- Develop the wetlands into a viable habitat.
- Conduct tours and site visits to tell the Poplar Island success story.

**Project Status - Issues/Solutions (both required):** The current focus of the facility is prepare all cells for 2006 inflow by Weeks Marine and to monitor erosion and repair dikes and roadways as needed. Inflow is expected to commence in mid February.

**Project Status Report Form**  
*Prepared by*  
**Harbor Development**

Project Name: Poplar Island Site Development

Task #, Name: \_\_\_\_\_

**Crust Management and Cell Drainage:**

- The total linear feet of trenches excavated to date are 150,078.
- MES excavated a wide center trench in Cell 3B. This trench will help with surface drainage and it is also the beginning of the cell's main 3rd order channel. Grades were shot on the trench and it was excavated to the set elevations. The channel and its protective perimeter berm were completed on January 10<sup>th</sup>.
- MES began closing off and filling the perimeter trenches in Cell 2 on November 30, 2005. MES placed sand around the spillways in Cells 1D, 1B, 3C, 3A, 4C and 1B at the center roadway. This work was done in preparation for inflow and was completed in early January.
- Crust management is 100% complete based on an 8-month estimated duration. All perimeter trenches have been filled and all spillways have been prepared for inflow.

**Cell 3D:**

- MES continues to monitor the tidal exchange in cell 3D.
- No significant slope erosion noted this month.

**Cell 5:**

- MES noticed no further settlement in the section that failed in late July. Final grades held through January 2006.
- MES continued to repair washouts along the center dike caused by several heavy rains in January.
- A 12" pump was installed to relieve the excessive water elevation in cell 5B. This was done to arrest dike erosion. This pump was installed on January 4<sup>th</sup>.

**Coaches Island:**

- Bank repairs, seeding and curlex installation on the high bank area were completed in November 2005. MES continues to monitor erosion along the beach replenishment area.

**Maintenance Building:**

- Overhead lights and exit lights were installed during January 2006.
- Paramount Door Systems has been notified that the door is not opening properly and the weather stripping has come off on the West side of the door. MES is waiting for the factory representative to return to the site and repair the door.

**Roadway Repairs:**

- Roadway repairs are scheduled to commence after preparations for inflow are complete when manpower and equipment will be available for this work.
- The cost of CR-6 under the current contract with Langenfelder is \$19.22/ton. It is estimated that 6000 tons of CR-6 will be needed bringing material costs to \$115,320. The estimated total cost of the project is \$212,098.
- MES began re-surfacing the roadway along the East dike from the boat pier to the notch at Coaches Island on 1/24/06.

**Project Status Report Form**  
*Prepared by*  
**Harbor Development**

Project Name: Poplar Island Site Development

Task #, Name: \_\_\_\_\_

**Operations Trailers on Poplar Island:**

- Plans are being finalized to move the trailer compound to a new location east of the proposed septic system. This move is in anticipation of the Cell 6 closure and dike raising.
- The new trailers are complete and stored at the manufacturers facility.
- A new layout plan has been prepared. Utilities relocations are necessary as well as repairs to improve the reliability, safety and efficiency of the electrical system.
- MES will be utilizing the trailer supply contractor for the necessary plumbing and electrical service work. A pre-construction meeting is planned for early February.
- Telephone and computer connections to Poplar Island are also planned to be upgraded as part of the trailer relocation project. Verizon will be doing this work.

**T-Weir Repairs**

- MES has completed all major repairs to the T-Weir at Spillway #1. A sand berm was placed around the work zone on January 11<sup>th</sup> and 12<sup>th</sup>. The repair at the main pipe - connecting the T-weir to spillway #1 was completed on January 30, 2006. A small amount of welding remains to be done in February 2006 in order to achieve 100% completion.

**Fuel Farm Pad**

- MES personnel began construction of the pad for the new location of the fuel farm. As of January 31, 2006 the project is approximately 30% complete. This task is currently on hold due to lack of sand.

**Marine Safety Review:**

- MES received the draft report on Marine Safety Review of Poplar Island, HMI and Cox Creek. We are currently coordinating our internal comments with the Safety Office. We will finalize the report and share it with MPA.

Signature/Date: David J. Biles 022206  
(Project Manager)

**Poplar Site Development**

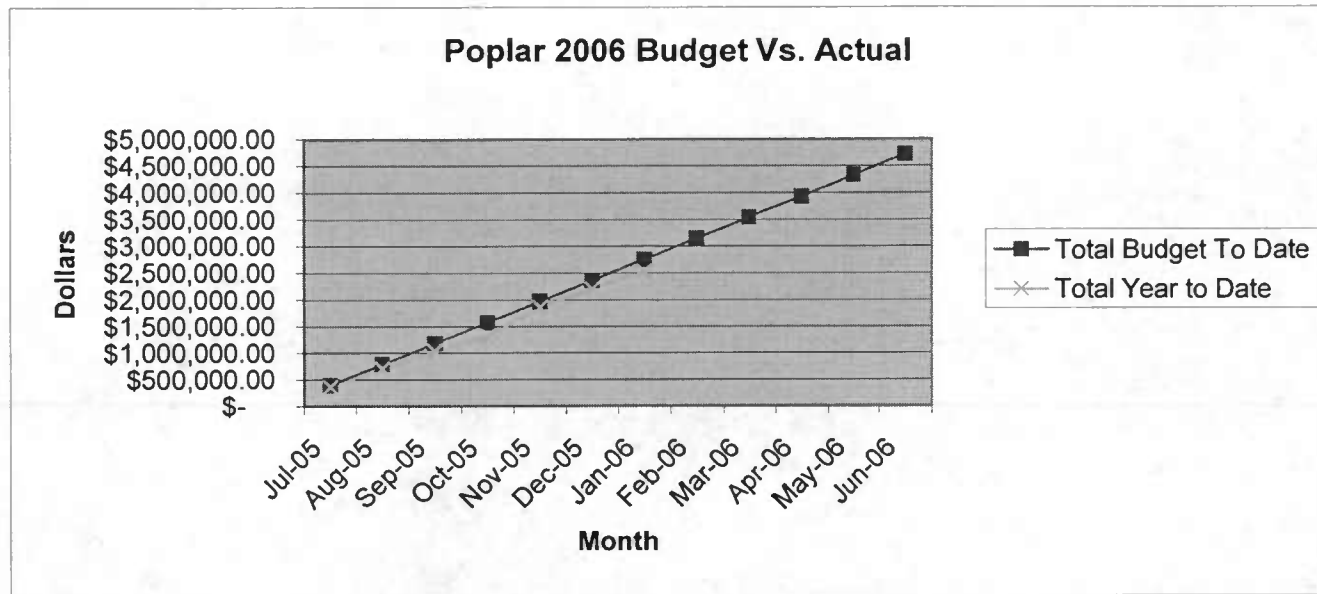
**MARYLAND PORT ADMINISTRATION AND MES**

**MES CLIENT CONTRACT #502813, PIN No. 51030040, MES Contract No. 02-07-20**

Total Contract Amount                      \$    4,720,000.00    Remaining                      \$    2,199,564.51

Prior Fiscal Years	FY 02	\$	4,471,535.00
Expenditures	FY 03	\$	6,528,383.00
	FY 04	\$	3,980,057.00
	FY 05	\$	4,755,291.00

	Budget	Total Budget To Date	Invoice Amount	Total Year to Date	Actual % Expended	Time Expended
Jul-05	\$ 393,333.33	\$ 393,333.33	\$ 360,115.63	\$ 360,115.63	7.6%	8%
August-05	\$ 393,333.33	\$ 786,666.66	\$ 341,680.73	\$ 701,796.36	14.9%	17%
September-05	\$ 393,333.33	\$ 1,180,000.00	\$ 327,843.40	\$ 1,029,639.76	21.8%	25%
October-05	\$ 393,333.33	\$ 1,573,333.33	\$ 282,992.08	\$ 1,312,631.84	27.8%	33%
November-05	\$ 393,333.33	\$ 1,966,666.66	\$ 542,898.30	\$ 1,855,530.14	39.3%	42%
December-05	\$ 393,333.33	\$ 2,360,000.00	\$ 341,021.08	\$ 2,196,551.22	46.5%	50%
January-06	\$ 393,333.33	\$ 2,753,333.33	\$ 323,884.27	\$ 2,520,435.49	53.4%	58%
February-06	\$ 393,333.33	\$ 3,146,666.66				
March-06	\$ 393,333.33	\$ 3,540,000.00				
April-06	\$ 393,333.33	\$ 3,933,333.33				
May-06	\$ 393,333.33	\$ 4,326,666.66				
June-06	\$ 393,333.33	\$ 4,720,000.00				



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**POPLAR ISLAND ENVIRONMENTAL RESTORATION PROJECT**  
***Environmental Monitoring Task Update***  
**January 2006**

*All tasks included in this update (except where noted) are funded from the approved FY06 Poplar Island Environmental Restoration Project Operations and Monitoring Budget. Costs associated with specific Poplar monitoring tasks are tracked separately upon requested.*

*This update does not include MES activities associated with regular operations and crust management environmental monitoring.*

**Algae Monitoring**

Algae monitoring has been completed for the year. The algae spreadsheet has been finalized.

**MES Tasks for Reporting Period:**

- None

**Future:** Algae monitoring is completed until next April.

**Habitat Development Framework/  
Adaptive Management Plan (EPATS Task 46)**

**Update - Habitat Development Framework (HDF):** The 2004 monitoring and habitat development studies have been received. They will be reviewed and recommendations will be compiled for incorporation into the 2006 HDF version.

**Update - Adaptive Management Plan (AMP):** MES continues to manage the AMP. Under the EPATS Agreement (Task 46) and the ERP Agreement (Task 36), progress on this task is reported separately.

**MES Tasks for Reporting Period:**

- Started updating the 2006 version of the HDF

**Future:** MES will continue to update the HDF and provide support to the Adaptive Management Team.

**Working Group (WG) Coordination**

**Update:** MES has been providing all of the planning, coordination, handouts and meeting summaries, for the bi-annual working group and sub-group meetings. MES has also been drafting the monthly WG updates, as requested by CENAB and MPA. A HSG meeting is scheduled for February 23<sup>rd</sup>. The WG meeting has been scheduled for May 9<sup>th</sup> at PIERP.

**MES Tasks for Reporting Period:**

- Drafted and distributed the December WG update.
- Distributed the November WG update.
- Coordinated HSG meeting date and attendees.
- Determined date of May WG meeting.

**Future:** MES will continue to provide monthly WG updates (for distribution by the Corps). MES will provide an agenda for the February HSG and act as the meeting facilitator.

### **Poplar Exterior/Framework Monitoring**

**Update:** EA conducted the benthic tissue and community sampling in October. During January, EA continued a preliminary review of the clam tissue data. The contract laboratory completed the benthic taxonomic identification. MES continues to manage the contractors performing the 2005/2006 faunal monitoring per the monitoring framework plan, and assisting the Corps with the management of their exterior monitoring contractors (NOAA, USFWS, USGS-BRD).

The 2004 Annual Report was finalized and distributed in January 2006. MES updated and distributed the Framework Monitoring Schedule based on recommendations from the Monitoring Sub-Group. MES began working on updating the description of monitoring sections of the Framework Monitoring document. During the January AMP meeting, the AMT determined that the Framework Monitoring document purposes and hypotheses also need to be updated. MES will meet with the PI's to update these in the spring.

#### **MES Tasks for Reporting Period:**

- Contract management for exterior monitoring (contracts managed by MES).
- Finalized and distributed the 2004 Annual Report.
- Continued to update the Framework Monitoring document.

**Future:** MES will start to coordinate with the framework monitoring researchers regarding studies that were conducted at the site in 2005. MES will meet with the PI's to update the purpose and hypotheses of the Framework Monitoring document in the spring. MES will manage the appropriate contracts for the 2006 monitoring tasks.

### **Cell 3D Monitoring**

**Update:** Cell 3D was open to tidal flow on March 14th. The flow meters were removed from the site in early December and the flow meter was sent out for servicing.

UMCES Cell 3D Monitoring - under the EPATS Agreement (Task 59) progress on this task is reported separately.

#### **MES Tasks for Reporting Period:**

- Started drafting the 2005 Cell 3D Monitoring Report.

**Future:** MES will continue to implement the Cell 3D Monitoring Plan. MES will continue to attend Cell 3D planting progress meetings. MES will finish the Cell 3D 2005 Monitoring Report and develop the 2006 Cell 3D Monitoring Plan. MES will also coordinate with CENAB and MPA to determine if the tide gauges should be re-installed in the spring.

### **Vegetation Monitoring/Control**

**Update:** MES has developed and finished implementing the Nesting Island Monitoring Plan to determine if the re-construction of the 2 nesting island in Cell 1B was successful in controlling vegetation and attracting nesting terns. MES finalized and distributed this report in January to the HSG.

#### **MES Tasks for Reporting Period:**

- Finalized and distributed the Nesting Island Monitoring Report.

**Future:** The Nesting Island monitoring will be continued in 2006, beginning in April. MES will determine which shell islands need to be sprayed and/or cut during the February HSG meeting.

**Other**

- MES prepared and distributed to the PT the costs associated with conducting monthly nutrient sampling at the 12 WQ stations around PIERP from April – September. The PT determined that this monitoring should be conducted; a monitoring plan is currently being drafted.